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FOR FEDERAL SCIENTIFIC AND TECHNICAL INFORMATION

U.S. DEPARTMENT OF COMMERCE / NATIONAL BUREAU OF STANDARDS / INSTITUTE FOR APPLIED TECHNOLOGY

*April 30, 1967 Volume 17, Number 8*

# TECHNICAL TRANSLATIONS

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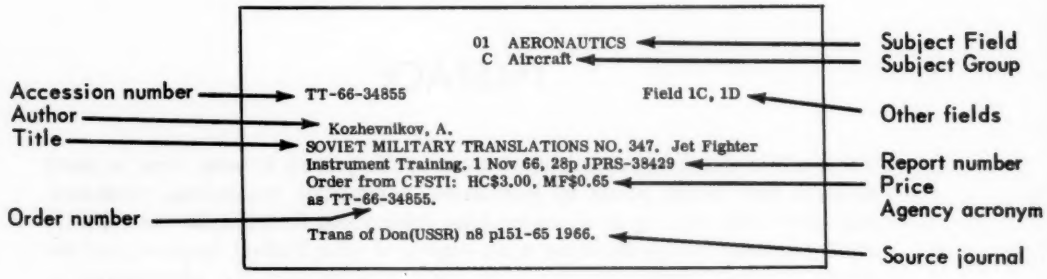


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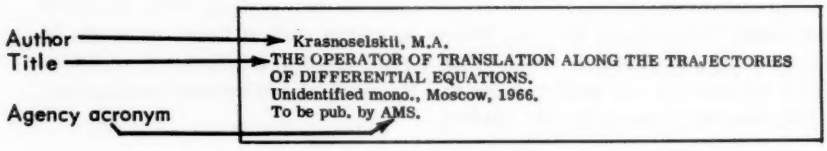


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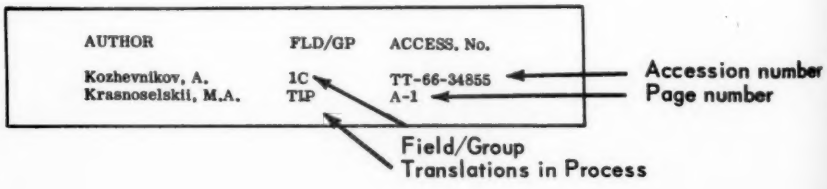

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# TECHNICAL TRANSLATIONS

## 01 AERONAUTICS

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## 02 AGRICULTURE

TT-67-30834 Field 2-

La Xuan Dinh; Dao Chu; Nguyen Mong; Luu Mong Tuong; Bui Huy Dap.
NORTH VIETNAM: TRANSLATIONS NO. 119. 8 Mar 67, 73p. JPRS-40188.
Order from CFSTI or ETC: HC$3.00, MF$0.65
as TT-67-30834

Trans. of Khoa Hoc Ky Thuat Nong Nghiep (North Vietnam) n58 p579, 581-8, 591-4, 640-2; n59 p643, 645-59, 661-4, 686-7 1966.

### B. Agricultural economics

NCH-207 301 Field 2B

Schroeder, H.
SURFACE COATING OF GLASS TO CHANGE THE RADIATION TRANSMISSION. Oct 66. BGIRA-669.
Order from BGIRA as BGIRA-669

Trans. of Glastechnische Berichte (West Germany) v39 n3 p156-63 1966.

TT-66-34269 Field 2B, 2C

USSR AGRICULTURE: TRANSLATIONS NO. 155.
27 Sep 66, 44p. JPRS-37841.
Order from CFSTI or ETC: HC$3.00, MF$0.65
as TT-66-34269

TT-67-30682 Field 2B, 2C

Kriger, D.; Trei, B.; Ignatev, G.
USSR AGRICULTURE: TRANSLATIONS NO. 192.
27 Feb 67, 12p. JPRS-40035.
Order from CFSTI or ETC: HC$3.00, MF$0.65
as TT-67-30682

Trans. from Kazakhstanskaya Pravda (USSR) 17 Jan p1 1967 and Ekonomicheskaya Gazeta (USSR) n5 p32-4 1967.

TT-67-30760 Field 2B, 5C

MONGOLIA: TRANSLATIONS NO. 127. 3 Mar 67, 32p. JPRS-40114.
Order from CFSTI or ETC: HC$3.00, MF$0.65
as TT-67-30760

Trans. from Unen (Mongolian People's Republic) 1 Jul p3; 14 Jul p2, 3; 18 Jul p1; 3 Jul p1, 2; 14 Jul p1; 9 Jul p3; 15 Jul p2; 16 Jul p1; 8 Jul p2 1966.

TT-67-30775 Field 2B, 4B, 2D

Vladov, D.; Krumbiegel, D.
EAST EUROPEAN AGRICULTURE, FORESTRY, AND FOOD INDUSTRIES: TRANSLATIONS NO. 524.
6 Mar 67, 13p. JPRS-40129.
Order from CFSTI or ETC: HC$3.00, MF$0.65
as TT-67-30775

Trans. from Rabotnichesko Delo (Bulgaria) 6 Feb p2 1967 and of Feldwirtschaft (East Germany) n2 p111-2 1967.

TT-67-30788 Field 2B, 10B, 5D

NORTH VIETNAM: TRANSLATIONS NO. 117. 6 Mar 67, 32p. JPRS-40142.
Order from CFSTI or ETC: HC$3.00, MF$0.65
as TT-67-30788

TT-67-30808 Field 2B, 2C, 2D

USSR AGRICULTURE: TRANSLATIONS NO. 193.
7 Mar 67, 14p. JPRS-40162.
Order from CFSTI or ETC: HC$3.00, MF$0.65
as TT-67-30808

TT-67-30905 Field 2B, 5K

SOCIO-ECONOMIC STUDY OF THE VIENTIANE PLAIN.
14 Mar 67, 307p. JPRS-40259.
Order from CFSTI or ETC: HC$3.00, MF$0.65
as TT-67-30905

Trans. of Unidentified mono. Vol. 1-2, Paris, n.d.

### C. Agricultural engineering

TT-66-34274 Field 2C

USSR AGRICULTURE: TRANSLATIONS NO. 156.
27 Sep 66, 20p. JPRS-37846.
Order from CFSTI or ETC: HC$3.00, MF$0.65
as TT-66-34274

TT-67-30685 Field 2C, 2D, 2E, 2B

Adamowski, Z.; Jagielski, M.; Iftodi, C.
EAST EUROPEAN AGRICULTURE, FORESTRY, AND FOOD INDUSTRIES: TRANSLATIONS NO. 523.
27 Feb 67, 42p. JPRS-40038.
Order from CFSTI or ETC: HC$3.00, MF$0.65
as TT-67-30685

Trans. of Nowe Drogi (Poland) n2 p3-18, 66-78 1967 and Scinteia (Rumania) 5 Jan p1, 3 1967.

### D. Agronomy and horticulture

TT-67-30633 Field 2D, 5C, 5D

Nguyen Khoat; Son Thuy; Huy Dan; Ngo Duy Dong.
NORTH VIETNAM: TRANSLATIONS NO. 109.

21 Feb 67, 32p. JPRS-39986.
Order from CFSTI or ETC: HC$3.00, MF$0.65
as TT-67-30633

Trans. from Lao Dong (North Vietnam) 3 Jan p2 1967
and Nhan Dan (North Vietnam) 14 Feb p2, 4 1967.

TT-67-30661 Field 2D

COMMUNIST CHINESE SCIENTIFIC ABSTRACTS:
AGRICULTURAL SCIENCES AND TECHNOLOGY NO. 45.
24 Feb 67, 14p. JPRS-40014.
Order from CFSTI or ETC: HC$3.00, MF$0.65
as TT-67-30661

Abstract trans. of Hu Pei Nung Yeh K'o-Hsueh Chi Shu
(Chinese People's Republic) n3 49p 1966.

TT-67-30768 Field 2D

COMMUNIST CHINESE SCIENTIFIC ABSTRACTS:
AGRICULTURAL SCIENCES AND TECHNOLOGY
NO. 46. 3 Mar 67, 24p. JPRS-40122.
Order from CFSTI or ETC: HC$3.00, MF$0.65
as TT-67-30768

Abstract trans. of Nung Yeh Chi Shu (Chinese People's
Republic) n9 p2-48ff; n10 p2-48ff 1966 and Chung Kuo
Nung Yeh K'o Hsueh (Chinese People's Republic)
n8 p1-49 19[illegible].

### E. Animal husbandry

NCH-206 821 Field 2E, 6A

Gunther, K.
COMPARATIVE STUDIES OF THE HYPERCALCEMIC
EFFECT OF THE PARTIAL VITAMINS D IN DAIRY
COWS. 30 Dec 66, 7p. ATS-82T96G.
Order from ATS: $11.50 as ATS-82T96G

Trans. of Deutsche Tieraerztliche Wochenschrift (West
Germany) v72 n10 p226-30 1965.

TT-67-30907 Field 2E, 5C

NORTH VIETNAM: TRANSLATIONS NO. 124.
14 Mar 67, 20p. JPRS-40261.
Order from CFSTI or ETC: HC$3.00, MF$0.65
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## 03 ASTRONOMY AND ASTROPHYSICS

### A. Astronomy

TT-61-11147-151 Field 3A, 4B, 8N, 22A

SOVIET-BLOC RESEARCH IN GEOPHYSICS,
ASTRONOMY, AND SPACE NO. 151. 2 Mar 67, 59p.
JPRS-40106.
Order from CFSTI or ETC: HC$3.00, MF$0.65
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$20.00/year.

## 04 ATMOSPHERIC SCIENCES

### A. Atmospheric physics

TT-66-51060 Field 4A, 4B

Gaigerov, S. S.
AEROLOGY OF THE POLAR REGIONS. 1967, 289p,
418refs. SFCSI-NSF(TT-66-51060).
Order from CFSTI: $3.00 as TT-66-51060

Trans. of mono. Aerologiya Polyarnykh Raionov,
Moscow, 1964.

### B. Meteorology

TT-66-27593 Field 4B, 4A

Popolansky, F.
THE STUDY OF LIGHTNING STROKES INTO HIGH
OBJECTS IN CZECHOSLOVAKIA.
CEGB-IB-Trans-2291.
Order from CEGB as CEGB-IB.Trans.2291

Trans. of Elektrotechnicky Obzor (Czechoslovakia) v53
n5 p242-7 1964.

TT-67-30864 Field 4B, 8H

Burtsev, A. I.; Vetlov, I. P.; Dudnikov, V. N.;
Sonechkin, D. M.
METEOROLOGY AND HYDROLOGY, NO. 12, 1966.
10 Mar 67, 95p, refs. JPRS-40218.
Order from CFSTI or ETC: HC$3.00, MF$0.65
as TT-67-30864
Trans. of Meteorologiya i Gidrologiya (USSR) n12
p1-67 1966.

TT-67-61146 Field 4B

Leonov, M. P.
SOME FACTS CONCERNING EXPERIMENTS ON THE
INTENSIFICATION OF PRECIPITATION DURING THE
WINTER SEASON (Nekotorye Dannye ob Opytakh po
Intensifikatsii Zimnikh Osadkov). Tr. by Kurt F. Frank.
Jul 65, 13p (foreign text included). BR-D-Trans-562.
Order from CFSTI or ETC: HC$3.00, MF$0.65
as TT-67-61146
Trans. of Meteorologiya i Gidrologiya (USSR) n1
p38-40 1965.

TT-67-61149 Field 4B

Podrezov, O. A.
PRECEISION OF PILOT BALLON TRACKING IN
REGIONS OF MOUNTAIN PASSES (O Tochnosti Sharo-
pilotnykh Nablyudenii v Raionakh Gornykh Perevalov).
Tr. by M. T. York. Feb 65, 11p (foreign text included)
2refs. BR-D-Trans-549.
Order from CFSTI or ETC: HC$3.00, MF$0.65
as TT-67-61149

Trans. of Meteorologiya i Gidrologiya (USSR) n11 p51-2
1964.

TT-67-61163 Field 4B

Prikhotko, G. F.
EXPERIMENTAL DEVELOPMENT OF AN APPROXI-
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CLOUDS IN THE UKRANIAN SOCIALIST SOVIET REPUBLIC (Opyt Razrabotki Priblizhennovo Kriterya, Opredelyayushchego Vozmozhnosti Vyzyvaniya Iskusstvennykh Osadkov iz Kuchevykh Oblakov v (USSR). Tr. by Maurice E. Day. Jan 66, 14p (foreign text included) 7refs. BR-D-Trans-612.
Order from CFSTI or ETC: HC$3.00, MF$0.65
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Trans. of Meteorologiya i Gidrologiya (USSR) n10 p36-8 1965.

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Hsieh Yi-Ping; Chen Shou-Jun; Kuo Xiao-Lun
THE CHARACTERISTICS OF LOW-LATITUDE FLOW PATTERNS OVER SOUTHEAST ASIA AND WESTERN PACIFIC FROM OCTOBER TO DECEMBER. Oct 66, 13p, 2refs. EMM-66-88; AD-648 052.
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as AD648 052

Trans. of Ch'i Hsiang Hsueh Pao (Chinese People's Republic) v35 n3 p338-42 1965.

TT-67-61182 Field 4B

Yang Chien-chu.
A STUDY OF THE MEAN INTERDIURNAL PRESSURE AND TEMPERATURE VARIABILITY AT THE SURFACE AND OF THE MEAN INTERDIURNAL ALTITUDE AND TEMPERATURE VARIABILITY AT THE 300, 500 AND 700-MB LEVELS OVER CHINA. 1958, 32p. Emm-65-30; AD-648 063.
Order from CFSTI or ETC: HC$3.00, MF$0.65
as AD-648 063

Trans. of Chi Hsiang Hsueh Pao (Chinese People's Republic) v29 n3 p201-12 1958.

TT-67-61183 Field 4B

ACTA METEOROLOGICA SINICA, VOL. 36, NO. 2, 1966: TRANSLATED ABSTRACTS OF ARTICLES. 1966, 10p. Emm-66-115(a); AD-648 064.
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as AD-648 064.

Trans. of abstracts of Chi Hsiang Hsueh Pao (Chinese People's Republic) v36 n2 p149-282 1966.

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Dao Shih-yen.
A STUDY OF CERTAIN PROBLEMS RELATING TO SUBTROPICAL SYNOPTIC SYSTEMS IN CHINA DURING SUMMER: TRANSLATED SUMMARY AND ABSTRACTS OF ARTICLES. 1965, 12p. Emm-66-103(a); AD-648 159.
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Trans. from Unidentified mono., Peking, 1965 146p.
Contract AF 19(628)-5073.

TT-67-61222 Field 4B

Shu Kuo-chang.
THE DISTRIBUTION OF THE STANDARD DEVIATIONS OF 500-MB MONTHLY MEAN CONTOUR HEIGHTS AND ITS APPLICATION TO LONG-RANGE FORECASTING OVER EURASIA. Oct 66, 8p, 5refs. Emm-66-87; AD-648 158.
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Trans. of Ch'i Hsiang Hsueh Pao (Chinese People's Republic) v35 n3 p333-7 1965.
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WATER-VAPOR TRANSFER AND WATER BALANCE OVER EASTERN CHINA. Oct 66, 32p, 13ref. EMM-65-29; AD-648 156.
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Trans. of Ch'i Hsiang Hsueh Pao (Chinese People's Republic) v29 n1 p33-42 1958.

TT-67-61277 Field 4B

Weng Tu-Ming.
ON THE EVALUATION OF TOTAL RADIATION BY CLIMATOLOGICAL METHODS. Oct 66, 28p, 16refs. Emm-66-82; AD-648 687.
Order from CFSTI or ETC: HC$3.00, MF$0.65
as AD-648 687

Trans. of Ch'i Hsiang Hsueh Pao (Chinese People's Republic) v34 n3 p304-15 1964.

## 05 BEHAVIORAL AND SOCIAL SCIENCES

### A. Administration and management

TT-66-34279 Field 5A

VESTNIK OF THE USSR ACADEMY OF SCIENCES, VOL. 36, NO. 6, 1966. 27 Sep 66, 211p. JPRS-37851.
Order from CFSTI or ETC: HC$3.00, MF$0.65
as TT-66-34279

Trans. of Akademiya Nauk SSSR. Vestnik, v36 n6 126p 1966.
For another listing of this journal see "Translated or Abstracted Publications," in TT Vol. 16, No. 4.

TT-67-30599 Field 5A

VESTNIK OF THE USSR ACADEMY OF SCIENCES, VOL. 36, NO. 12, 1966. 17 Feb 67, 145p. JPRS-39952.
Order from CFSTI or ETC: HC$3.00, MF$0.65
as TT-67-30599

Trans. of Akademiya Nauk SSSR. Vestnik, v36 n12 118p 1966.
For another listing of this journal see "Translated or Abstracted Publications," in TT Vol. 16, No. 4.

TT-67-30831 Field 5A, 5I, 2D, 5C

NORTH VIETNAM: TRANSLATIONS NO. 118. 8 Mar 67, 125p. JPRS-40185.
Order from CFSTI or ETC: HC$3.00, MF$0.65
as TT-67-30831

## B. Documentation and information technology

TT-67-30780 Field 5B, 5G

SCIENTIFIC-TECHNICAL INFORMATION NO. 11, 1966. 6 Mar 67, 179p, refs. JPRS-40134.
Order from CFSTI or ETC: HC$3.00, MF$0.65
as TT-67-30780

Trans. of Nauchno Tekhnicheskaya Informatsiya (USSR) n11 p3-71 1966.
For another listing of this journal see "Translated or Abstracted Publications," in TT Vol. 16, No. 4.

## C. Economics

TT-66-34265 Field 5C, 5I

MONGOLIA: TRANSLATIONS NO. 116. 27 Sep 66, 34p. JPRS-37837.
Order from CFSTI or ETC: HC$3.00, MF$0.65
as TT-66-34265

Trans. from Unen (Mongolian People's Republic) 12 May p2, 3, 14 May p2; 16 May p2; 21 May p3; 3 Jun p2, 3; 4 Jun p2; 5 Jun p3; 16 Jun p4 1966 and Hodolmor (Mongolian People's Republic) 27 Feb p2 1966.

TT-66-34267 Field 5C, 8F

ECONOMIC AND GEOGRAPHIC TRANSLATIONS ON LATIN AMERICA NO. 50. 27 Sep 66, 32p. JPRS-37839.
Order from CFSTI or ETC: HC$3.00, MF$0.65
as TT-66-34267

TT-66-34271 Field 5C

Klimov, A.; Kholostov, F.; Bolshakov, K.; Ulyanov, V.; Klenov, E.
USSR CONSUMER GOODS AND DOMESTIC TRADE: TRANSLATIONS NO. 140. 27 Sep 67, 21p. JPRS-37843.
Order from CFSTI or ETC: HC$3.00, MF$0.65
as TT-66-34271

Trans. from Ekonomicheskaya Gazeta (USSR) n37 p19-20, 26, 36 1966.

TT-66-34276 Field 5C, 5A

Ciolan, I. L.; Bozanic G.
ECONOMIC ORGANIZATION AND MANAGEMENT IN EASTERN EUROPE: TRANSLATIONS NO. 607. 27 Sep 66, 22p. JPRS-37848.
Order from CFSTI or ETC: HC$3.00, MF$0.65
as TT-66-34276

Trans. of Finante si Credit (Rumania) v12 n7 p14-22 1966 and Opstina (Yugoslavia) n7 p25-32 1966.

TT-67-30611 Field 5C

Karacsony, J.
EAST EUROPEAN FOREIGN TRADE: TRANSLATIONS NO. 322. 20 Feb 67, 15p. JPRS-39964.
Order from CFSTI or ETC: HC$3.00, MF$0.65
as TT-67-30611

Trans. of Kozgazdasagi Szemle (Hungary) n1 p108-15 1967.

TT-67-30635 Field 5C, 5I

AFRICA: TRANSLATION NO. 503. 21 Feb 67, 22p. JPRS-39988.
Order from CFSTI or ETC: HC$3.00, MF$0.65
as TT-67-30635

Trans. of Fraternite (Ivory Coast) v9 n404 p6-7 1967 and from Moniteur Africain du Commerce et de l'Industrie (Senegal) 4 Jan p6, 7, 11 1967.

TT-67-30679 Field 5C, 5A

ECONOMIC ORGANIZATION AND MANAGEMENT IN EASTERN EUROPE: TRANSLATIONS NO. 662. 27 Feb 67, 51p. JPRS-40032.
Order from CFSTI or ETC: HC$3.00, MF$0.65
as TT-67-30679

TT-67-30686 Field 5C

Schermer, G.; Csikos-Nagy, B.
EAST EUROPEAN FOREIGN TRADE: TRANSLATIONS NO. 324. 27 Feb 67, 23p. JPRS-40039.
Order from CFSTI or ETC: HC$3.00, MF$0.65
as TT-67-30686

Trans. of der Nationale Demokrate (East Germany) n2 p42-3 1967 and Kozgazdasagi Szemle (Hungary) n1 p8-19 1967.

TT-67-30696 Field 5C, 5I

CUBA: TRANSLATIONS NO. 561. 27 Feb 67, 52p. JPRS-40049.
Order from CFSTI or ETC: HC$3.00, MF$0.65
as TT-67-30696

Trans. of Teoria y Practica (Cuba) Oct p10-37, 40-1 1966 and Verde Olivo (Cuba) n52 p11-4, 35, 57-9 1966.

TT-67-30723 Field 5C, 5A

Tanev, M.; Mihai, I.; Lachsz, L.
ECONOMIC ORGANIZATION AND MANAGEMENT IN EASTERN EUROPE: TRANSLATIONS NO. 663. 1 Mar 67, 25p. JPRS-40076.
Order from CFSTI or ETC: HC$3.00, MF$0.65
as TT-67-30723

Trans. from Pogled (Bulgaria) n4 p2-3 1967 and of Probleme Economice (Rumania) n1 p28-42 1967.

TT-67-30724 Field 5C

Glazunov, M.; Chufistov, L.; Borisov, V.
USSR ECONOMY AND INDUSTRY: GENERAL INFORMATION NO. 90. 1 Mar 67, 23p. JPRS-40077.
Order from CFSTI or ETC: HC$3.00, MF$0.65
as TT-67-30724

Trans. of Planovoe Khozyaistvo (USSR) n1 p91-3 1967 and Vestnik Statistiki (USSR) n1 p14-23 1967.

TT-67-30736 Field 5C

Belanenko, A.; Chebanenko, G.; Podlazov, A.; Garetovskii, N.
USSR ECONOMY AND INDUSTRY: GENERAL INFORMATION NO. 91. 2 Mar 67, 64p. JPRS-40089.

Order from CFSTI or ETC: HC$3.00, MF$0.65
as TT-67-30736

Trans. from Ekonomicheskaya Gazeta (USSR) n3 p29-31, 39 Jan 1967 and of Finansy SSSR, n1 p3-20, 31-9 1967.

TT-67-30737 Field 5C

USSR CONSUMER GOODS AND DOMESTIC TRADE: TRANSLATIONS NO. 171. 2 Mar 67, 23p. JPRS-40090.
Order from CFSTI or ETC: HC$3.00, MF$0.65
as TT-67-30737

TT-67-30738 Field 5C

Nazarkin, K.
USSR INTERNATIONAL ECONOMIC RELATIONS NO. 87. 2 Mar 67, 13p. JPRS-40091.
Order from CFSTI or ETC: HC$3.00, MF$0.65
as TT-67-30738

Trans. from Ekonomicheskaya Gazeta (USSR) n5 p39 Feb 1967 and of Dengi i Kredit (USSR) n12 p40-3, 92 1966.

TT-67-30748 Field 5C, 5D

CUBA: TRANSLATIONS NO. 562. 2 Mar 67, 60p. JPRS-40101.
Order from CFSTI or ETC: HC$3.00, MF$0.65
as TT-67-30748

TT-67-30752 Field 5C, 5A

Badacsonyi, G.
ECONOMIC ORGANIZATION AND MANAGEMENT IN EASTERN EUROPE: TRANSLATIONS NO. 664. 2 Mar 67, 24p. JPRS-40105.
Order from CFSTI or ETC: HC$3.00, MF$0.65
as TT-67-30752

Trans. from Zemedelsko Zname (Bulgaria) 1 Feb p1, 2 1967 and Figyelo (Hungary) 8 Feb p3 1967.

TT-67-30754 Field 5C

Pleshakov, S.
USSR ECONOMY AND INDUSTRY: GENERAL INFORMATION NO. 92. 3 Mar 67, 17p. JPRS-40108.
Order from CFSTI or ETC: HC$3.00, MF$0.65
as TT-67-30754

Trans. of Dengi i Kredit (USSR) n12 p3-13 1966.

TT-67-30774 Field 5C, 5A

ECONOMIC ORGANIZATION AND MANAGEMENT IN EASTERN EUROPE: TRANSLATIONS NO. 665. 6 Mar 67, 59p. JPRS-40128.
Order from CFSTI or ETC: HC$3.00, MF$0.65
as TT-67-30774

TT-67-30784 Field 5C, 5A

Fekete, I.
ECONOMIC ORGANIZATION AND MANAGEMENT IN EASTERN EUROPE: TRANSLATIONS NO. 666. 6 Mar 67, 28p. JPRS-40138.
Order from CFSTI or ETC: HC$3.00, MF$0.65
as TT-67-30784

Trans. of Kulkereskedelem (Hungary) n12 p378-80 1966 and Constructorul (Rumania) v19 n4 p2, 3 1967.

TT-67-30787 Field 5C

NEAR EAST: TRANSLATIONS NO. 76. Israel. 8 Mar 67, 67p. JPRS-40141.
Order from CFSTI or ETC: HC$3.00, MF$0.65
as TT-67-30787

Trans. from Kol Haam (Israel) Jan 1967.

TT-67-30791 Field 5C, 5D

CUBA: TRANSLATIONS NO. 564. 7 Mar 67, 65p. JPRS-40145.
Order from CFSTI or ETC: HC$3.00, MF$0.65
as TT-67-30791

TT-67-30796 Field 5C

COMMUNIST CHINA: ECONOMIC TRANSLATIONS NO. 25. 7 Mar 67, 11p. JPRS-40150.
Order from CFSTI or ETC: HC$3.00, MF$0.65
as TT-67-30796

Trans. from Jen Min Jih Pao (Chinese People's Republic) 21 Jan p2, 3 1967 and Kuang Ming Jih Pao (Chinese People's Republic) 22 Jan p2 1967.

TT-67-30797 Field 5C, 5A

Vacarel, I.
ECONOMIC ORGANIZATION AND MANAGEMENT IN EASTERN EUROPE: TRANSLATIONS NO. 667. 7 Mar 67, 15p. JPRS-40151.
Order from CFSTI or ETC: HC$3.00, MF$0.65
as TT-67-30797

Trans. from Viata Economica (Rumania) 10 Feb p3, 4 1967 and Savremena Praksa (Yugoslavia) 6 Feb p1, 12 1967.

TT-67-30817 Field 5C, 5A

Kalchev, N.; Djurbabic, M.
ECONOMIC ORGANIZATION AND MANAGEMENT IN EASTERN EUROPE: TRANSLATIONS NO. 668. 8 Mar 67, 23p. JPRS-40171.
Order from CFSTI or ETC: HC$3.00, MF$0.65
as TT-67-30817

Trans. from Rabotnichesko Delo (Bulgaria) 11 Feb p2 1967 and of Radna i Drustvena Zajednica (Yugoslavia) n11/12 p639-50 1966.

TT-67-30823 Field 5C, 8F

ECONOMIC AND GEOGRAPHIC TRANSLATIONS ON LATIN AMERICA NO. 69. 8 Mar 67, 47p. JPRS-40177.
Order from CFSTI or ETC: HC$3.00, MF$0.65
as TT-67-30823

TT-67-30852 Field 5C

USSR ECONOMY AND INDUSTRY: GENERAL INFORMATION NO. 93. 10 Mar 67, 54p. JPRS-40206.
Order from CFSTI or ETC: HC$3.00, MF$0.65
as TT-67-30852

TT-67-30858 Field 5C

USSR ECONOMY AND INDUSTRY: GENERAL INFORMATION NO. 94. 10 Mar 67, 60p. JPRS-40212.
Order from CFSTI or ETC: HC$3.00, MF$0.65
as TT-67-30858

TT-67-30859 Field 5C

EAST EUROPEAN FOREIGN TRADE: TRANSLATION NO. 325. 10 Mar 67, 22p. JPRS-40213.
Order from CFSTI or ETC::HC$3.00, MF$0.65
as TT-67-30859

TT-67-30867 Field 5C

Ostrovskii, S.; Staroveiko, I.
USSR ECONOMY AND INDUSTRY: GENERAL INFORMATION NO. 95. 10 Mar 67, 26p. JPRS-40221.
Order from CFSTI or ETC: HC$3.00, MF$0.65
as TT-67-30867

Trans. of Ekonomika Sovetskoi Ukrainy (USSR) n12 p17-23, 42-50 1966.

TT-67-30875 Field 5C

AFRICA: TRANSLATIONS NO. 512. 13 Mar 67, 34p. JPRS-40229.
Order from CFSTI or ETC: HC$3.00, MF$0.65
as TT-67-30875

TT-67-30887 Field 5C

USSR ECONOMY AND INDUSTRY: GENERAL INFORMATION NO. 96. 13 Mar 67, 23p. JPRS-40241.
Order from CFSTI or ETC: HC$3.00, MF$0.65
as TT-67-30887

TT-67-30917 Field 5C

USSR ECONOMY AND INDUSTRY: GENERAL INFORMATION NO. 97. 15 Mar 67, 39p. JPRS-40271.
Order from CFSTI or ETC: HC$3.00, MF$0.65
as TT-67-30917

## D. History, law and political science

TT-66-34266 Field 5D

INTERNATIONAL COMMUNIST DEVELOPMENTS: TRANSLATIONS NO. 885. 27 Sep 66, 30p. JPRS-37838.
Order from CFSTI or ETC: HC$3.00, MF$0.65
as TT-66-34266

TT-66-34278 Field 5D, 1C, 1B

COMMUNIST CHINESE SCIENTIFIC ABSTRACTS: ENGINEERING AND EQUIPMENT NO. 47. 27 Sep 66, 26p. JPRS-37850.
Order from CFSTI or ETC: HC$3.00, MF$0.65
as TT-66-34278

TT-67-30283 Field 5D

Beeckmans, R.; Mahamed, S.
AFRICA: TRANSLATIONS NO. 490. 24 Jan 67, 31p. JPRS-39634.
Order from CFSTI or ETC: HC$3.00, MF$0.65
as TT-67-30283

Trans. of Congo-Afrique -- Economie, Culture, vie Sociale, v6 n10 p477-91, 516-9 1966 and Horoya (Guinea) 3 Dec p2 1966.

TT-67-30548 Field 5D

NEAR EAST: TRANSLATIONS NO. 65. Various Decisions Published in the UAR Official Gazette. 14 Feb 67, 88p. JPRS-39900.
Order from CFSTI or ETC: HC$3.00, MF$0.65
as TT-67-30548

TT-67-30558 Field 5D

SOUTH AND EAST ASIA: TRANSLATIONS NO. 144. 15 Feb 67, 10p. JPRS-39910.
Order from CFSTI or ETC: HC$3.00, MF$0.65
as TT-67-30558

Trans. of la Depeche du Cambodge (Cambodia) n2675 p2-3 24 Sep 66 and le Sangkum (Cambodia) p28-9 Jan 1967.

TT-67-30627 Field 5D, 5I

AFRICA: TRANSLATIONS NO. 502. 21 Feb 67, 37p. JPRS-39980.
Order from CFSTI or ETC: HC$3.00, MF$0.65
as TT-67-30627

TT-67-30636 Field 5D

INTERNATIONAL COMMUNIST DEVELOPMENTS: TRANSLATIONS NO. 947. 21 Feb 67, 16p. JPRS-39989.
Order from CFSTI or ETC: HC$3.00, MF$0.65
as TT-67-30636

TT-67-30641 Field 5D, 5C

NORTH KOREA: TRANSLATIONS NO. 36. 23 Feb 67, 80p. JPRS-39994.
Order from CFSTI or ETC: HC$3.00, MF$0.65
as TT-67-30641

Trans. of Kulloja (North Korea) n11 p2-31, 42-64 1966.

TT-67-30642 Field 5D

NEAR EAST: TRANSLATIONS NO. 71. 23 Feb 67, 33p. JPRS-39995.
Order from CFSTI or ETC: HC$3.00, MF$0.65
as TT-67-30642

Trans. of Taliah (Egypt) Jan p5-18; 7 Jan p63-9 1967.

TT-67-30652 Field 5D, 5K

Garder, M.; Mathieu, R.
COMMUNIST CHINA: POLITICAL AND SOCIOLOGICAL NO TRANSLATIONS NO. 382. 23 Feb 67, 20p. JPRS-40005.

Order from CFSTI or ETC: HC$3.00, MF$0.65
as TT-67-30652

Trans. of Strategie (France) n10 p17-20 1966 and la Nouvelle Critique, Revue du Marxisme Militant (France) n180 p24-31 1966.

TT-67-30662 Field 5D

Ch'oe Hyon; Ho Sok-T'ae.
NORTH KOREA: TRANSLATIONS NO. 37. 24 Feb 67, 35p. JPRS-40015.
Order from CFSTI or ETC: HC$3.00, MF$0.65
as TT-67-30662

Trans. of Kulloja (North Korea) n12 p7-17, 55-61 1966.

TT-67-30671 Field 5D, 5C, 5K

NEAR EAST: TRANSLATIONS NO. 72. 24 Feb 67, 24p. JPRS-40024.
Order from CFSTI or ETC: HC$3.00, MF$0.65
as TT-67-30671

TT-67-30688 Field 5D

RED FLAG, NO. 2, 1967: TRANSLATIONS NO. 46. 27 Feb 67, 61p. JPRS-40041.
Order from CFSTI or ETC: HC$3.00, MF$0.65
as TT-67-30688

Trans. of Hung Ch'i (Chinese People's Republic) n2 p2-25, 31-41 1967.

TT-67-30689 Field 5D, 2B, 6E, 5I

NORTH VIETNAM: TRANSLATIONS NO. 111. 27 Feb 67, 22p. JPRS-40042.
Order from CFSTI or ETC: HC$3.00, MF$0.65
as TT-67-30689

TT-67-30690 Field 5D

INTERNATIONAL COMMUNIST DEVELOPMENTS: TRANSLATIONS NO. 948, 27 Feb 67, 77p. JPRS-40043.
Order from CFSTI or ETC: HC$3.00, MF$0.65
as TT-67-30690

TT-67-30695 Field 5D, 2B

Nguyen Binh Chu; Nguyen Ba Doan; Hong Linh; Chinh Truc; Ha Van.
NORTH VIETNAM: TRANSLATIONS NO. 112. Articles from Tuyen Huan, No. 12, 1966. 27 Feb 67, 69p. JPRS-40048.
Order from CFSTI or ETC: HC$3.00, MF$0.65
as TT-67-30695

Trans. of Tuyen Huan (North Vietnam) n12 p6-47 1966.

TT-67-30699 Field 5D, 5C

IRAN: PRESS INFORMATION REPORT NO. 16. 27 Feb 67, 38p. JPRS-40052.
Order from CFSTI or ETC: HC$3.00, MF$0.65
as TT-67-30699

TT-67-30719 Field 5D

INTERNATIONAL COMMUNIST DEVELOPMENTS: TRANSLATIONS NO. 949. 1 Mar 67, 95p. JPRS-40072.
Order from CFSTI or ETC: HC$3.00, MF$0.65
as TT-67-30719

TT-67-30733 Field 5D

Mao Tse-tung.
RED FLAG, NO. 3, 1967: TRANSLATIONS NO. 47. 1 Mar 67, 58p. JPRS-40086.
Order from CFSTI or ETC: HC$3.00, MF$0.65
as TT-67-30733

Trans. of Hung Ch'i (Chinese People's Republic) n3 p3-23, 27-8, 30-1, 36, 39-49 1967.

TT-67-30739 Field 5D

Ivanov, K.; Kalyashki, G.
POLITICAL TRANSLATIONS ON EASTERN EUROPE NO. 252. 2 Mar 67, 17p. JPRS-40092.
Order from CFSTI or ETC: HC$3.00, MF$0.65
as TT-67-30739

Trans. of Partien Zhivot (Bulgaria) n18 p26-30, 54-8 1966.

TT-67-30742 Field 5D, 5C

NORTH KOREA: TRANSLATIONS NO. 38. 2 Mar 67, 88p. JPRS-40095.
Order from CFSTI or ETC: HC$3.00, MF$0.65
as TT-67-30742

Trans. of Kulloja (North Korea) n12 p2-6, 18-54, 62-4 1966.

TT-67-30743 Field 5D, 2B

Nguyen Tuan; Luu Dong.
NORTH VIETNAM: TRANSLATIONS NO. 115. 2 Mar 67, 19p. JPRS-40096.
Order from CFSTI or ETC: HC$3.00, MF$0.65
as TT-67-30743

Trans. from Nhan Dan (North Vietnam) 26 Jan p1, 2, 4 1967 and Nguoi Giao Vien Nhan Dan (North Vietnam) 19 Jan p4, 6 1967.

TT-67-30756 Field 5D, 5C

Im Chong-Bong.
NORTH KOREA: TRANSLATIONS NO. 39. Ten Years of Achievement Under the "Flying Horse" Movement. 3 Mar 67, 12p. JPRS-40110.
Order from CFSTI or ETC: HC$3.00, MF$0.65
as TT-67-30756

Trans. from Nodongja Sinmun (North Korea) 10 Dec p2, 3 1966.

TT-67-30759 Field 5D

RED FLAG, NO. 3, 1967: TRANSLATIONS NO. 48. 3 Mar 67, 32p. JPRS-40113.
Order from CFSTI or ETC: HC$3.00, MF$0.65
as TT-67-30759

Trans. of Hung Ch'i (Chinese People's Republic) n3 p24-6, 29-30, 32-5, 37-9, 49-56 1967.

TT-67-30761 Field 5D, 5K

NORTH VIETNAM: TRANSLATIONS NO. 116. 3 Mar 67, 15p. JPRS-40115.
Order from CFSTI or ETC: HC$3.00, MF$0.65
as TT-67-30761

Trans. of Nghien Cuu Lich Su (North Vietnam) n92 p63-4; 93 p59-60, 29 1966 and Thu Do Hanoi (North Vietnam) 24 Jan p3 1967.

TT-67-30769 Field 5D, 5C, 5K

THE NEAR EAST: TRANSLATIONS NO. 74. 3 Mar 67, 22p. JPRS-40123.
Order from CFSTI or ETC: HC$3.00, MF$0.65
as TT-67-30769

TT-67-30776 Field 5D, 5C

NEAR EAST: TRANSLATIONS NO. 75. 6 Mar 67, 54p. JPRS-40130.
Order from CFSTI or ETC: HC$3.00, MF$0.65
as TT-67-30776

TT-67-30789 Field 5D

INTERNATIONAL COMMUNIST DEVELOPMENTS: TRANSLATIONS NO. 950. 6 Mar 67, 80p. JPRS-40143.
Order from CFSTI or ETC: HC$3.00, MF$0.65
as TT-67-30789

TT-67-30801 Field 5D, 2B

AFRICA: TRANSLATIONS NO. 508. 7 Mar 67, 25p. JPRS-40155.
Order from CFSTI or ETC: HC$3.00, MF$0.65
as TT-67-30801

TT-67-30815 Field 5D

POLITICAL TRANSLATIONS ON EASTERN EUROPE NO. 253. 7 Mar 67, 32p, refs. JPRS-40169.
Order from CFSTI or ETC: HC$3.00, MF$0.65
as TT-67-30815

Trans. of Filosofska Misul (Bulgaria) n6 p30-42 1966 and Partien Zhivot (Bulgaria) n17 p82-7 1966.

TT-67-30835 Field 5D, 5A

AFRICA: TRANSLATIONS NO. 510. 8 Mar 67, 16p. JPRS-40189.
Order from CFSTI or ETC: HC$3.00, MF$0.65
as TT-67-30835

TT-67-30836 Field 5D

Prucha, M.
POLITICAL TRANSLATIONS ON EASTERN EUROPE NO. 254. 8 Mar 67, 16p. JPRS-40190.
Order from CFSTI or ETC: HC$3.00, MF$0.65
as TT-67-30836

Trans. of Durzhaven Vestnik (Bulgaria) n2 p1-2 1967 and Kulturny Zivot (Czechoslovakia) n5 p10 1967.

TT-67-30844 Field 5D

INTERNATIONAL COMMUNIST DEVELOPMENTS: TRANSLATIONS NO. 951. 9 Mar 67, 53p. JPRS-40198.
Order from CFSTI or ETC: HC$3.00, MF$0.65
as TT-67-30844

TT-67-30850 Field 5D

Mann, K.; Moshiov, D.
THE NEAR EAST: TRANSLATIONS NO. 77. 9 Mar 67, 21p. JPRS-40204.
Order from CFSTI or ETC: HC$3.00, MF$0.65
as TT-67-30850

Trans. from Davar (Israel) 19 Jan p4; 20 Jan p3, 9 1967 and al Akhbar (Lebanon) 29 Jan p5 1967.

TT-67-30851 Field 5D, 5C, 5K

NORTH VIETNAM: TRANSLATIONS NO. 121. 9 Mar 67, 151p. JPRS-40205.
Order from CFSTI or ETC: HC$3.00, MF$0.65
as TT-67-30851

TT-67-30861 Field 5D

INTERNATIONAL COMMUNIST DEVELOPMENTS: TRANSLATIONS NO. 952. 10 Mar 67, 38p. JPRS-40215.
Order from CFSTI or ETC: HC$3.00, MF$0.65
as TT-67-30861

TT-67-30866 Field 5D

Rusev, P.
THE ORGANIZATIONAL FUNDAMENTALS, PRINCIPLES AND STANDARDS OF PARTY LIFE. 10 Mar 67, 16p, refs. JPRS-40220.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as
as TT-67-30866

Trans. of Partien Zhivot (Bulgaria) n1 p30-9 1967.

TT-67-30877 Field 5D, 5C, 5K

NORTH VIETNAM: TRANSLATIONS NO. 122. 13 Mar 67, 77p. JPRS-40231.
Order from CFSTI or ETC: HC$3.00, MF$0.65
as TT-67-30877

TT-67-30880 Field 5D

COMMUNIST CHINA: POLITICAL AND SOCIOLOGICAL TRANSLATIONS NO. 383. 13 Mar 67, 97p. JPRS-40234.
Order from CFSTI or ETC: HC$3.00, MF$0.65
as TT-67-30880

TT-67-30882 Field 5D, 5C, 5K

IRAN: PRESS INFORMATION REPORT NO. 18. 13 Mar 67, 47p. JPRS-40236.
Order from CFSTI or ETC: HC$3.00, MF$0.65
as TT-67-30882

TT-67-30903 Field 5D

CENTRAL COMMITTEE OF UKRAINIAN CP REVIEWS GENERAL PROGRESS OF UKRAINE UNDER SOVIET POWER. 14 Mar 67, 21p. JPRS-40257.
Order from CFSTI or ETC: HC$3.00, MF$0.65
as TT-67-30903

Trans. from Pravda Ukrainy (USSR) 26 Jan p1-2 1967.

TT-67-30908 Field 5D, 5C

AFRICA: TRANSLATIONS NO. 513. 14 Mar 67, 59p. JPRS-40262.
Order from CFSTI or ETC: HC$3.00, MF$0.65
as TT-67-30908

TT-67-30909 Field 5D, 5C, 5I

AFRICA: TRANSLATIONS NO. 514. 14 Mar 67, 65p. JPRS-40263.
Order from CFSTI or ETC: HC$3.00, MF$0.65
as TT-67-30909

TT-67-30912 Field 5D, 5K, 5C

IRAN: PRESS INFORMATION REPORT NO. 19. 15 Mar 67, 61p. JPRS-40266.
Order from CFSTI or ETC: HC$3.00, MF$0.65
as TT-67-30912

## I. Personnel selection, training and evaluation

TT-67-30630 Field 5I, 5C, 5A

NORTH VIETNAM: TRANSLATIONS NO. 108. 21 Feb 67, 117p. JPRS-39983.
Order from CFSTI or ETC: HC$3.00, MF$0.65
as TT-67-30630

Trans. of Tin Tuc Hoat Dong Khoa-Hoc (sic) (North Vietnam) n11 p1-21, 27-48 1966.

TT-67-30711 Field 5I

Kuziurin, A.; Kliuchnikov, V.; Palladina, M.; Grebennikova, L.
USSR LABOR: TRANSLATIONS NO. 163. 28 Feb 67, 18p. JPRS-40064.
Order from CFSTI or ETC: HC$3.00, MF$0.65
as TT-67-30711

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TT-67-30821 Field 5I, 5C, 5D

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TT-67-30888 Field 5I

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NCH-206 878 Field 5J

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## K. Sociology

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TT-67-30715 Field 5K

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TT-67-30856 Field 5K

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## 06 BIOLOGICAL AND MEDICAL SCIENCES

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Order from CFSTI or ETC: HC$3.00, MF$0.65 as TT-67-30819

TT-67-30881 Field 6-

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Egami, F.
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TT-67-61081 Field 6A, 6P, 5J

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TT-67-61243 Field 6A

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TT-67-61249 Field 6A, 6E

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TT-67-61252 Field 6A

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AGE-ASSOCIATED CHANGES OF PROTEIN SYNTHESIS

IN THE ORGANISM. Tr. by Z. Knowles. 1967, 24p, refs. NIH-2-17-67.
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TT-67-61253 Field 6A

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## C. Biology

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Order from CFSTI or ETC: HC$3.00, MF$0.65 as TT-66-34277

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TT-67-30552 Field 6C, 4B

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Order from CFSTI or ETC: HC$3.00, MF$0.65 as TT-67-30552

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TT-67-30829 Field 6C, 8A

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TT-67-30845 Field 6C

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## D. Bionics

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Vulchev, A.
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TT-67-30728 Field 6E, 6M

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Order from CFSTI or ETC: HC$3.00, MF$0.65
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For another listing of this journal see "Translated or Abstracted Publications," in TT Vol. 16, No. 4.

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TT-67-30757 Field 6E, 5D

CUBA: TRANSLATIONS NO. 563. 3 Mar 67, 51p. JPRS-40111.
Order from CFSTI or ETC: HC$3.00, MF$0.65
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TT-67-30778 Field 6E

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Order from CFSTI or ETC: HC$3.00, MF$0.65
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For another listing of this journal see "Translated or Abstracted Publications," in TT Vol. 16, No. 4.

TT-67-30779 Field 6E

SOVIET PUBLIC HEALTH, VOL. 26, NO. 2, 1967. 6 Mar 67, 170p. JPRS-40133.
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TT-67-30816 Field 6E

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TT-67-30840 Field 6E, 5I

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Trans. from Jen Min Jih Pao (Chinese People's Republic) 20 Jan p5 1967 and of Revolution Democratique Africaine, n12 p109-20 1966.

TT-67-30847 Field 6E

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Order from CFSTI or ETC: HC$3.00, MF$0.65
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TT-67-61233 Field 6M

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TT-67-61234 Field 6M, 6O

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NCH-207 369 Field 6O

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Order from IICH: $15.50 as IICH-9108

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TT-67-30708 Field 6O, 6M

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Order from CFSTI or ETC: HC$3.00, MF$0.65 as TT-67-30708

TT-67-30900 Field 6O, 6E

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Order from CFSTI or ETC: HC$3.00, MF$0.65 as TT-67-30900

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TT-67-61242 Field 6O

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TT-67-61247 Field 6O, 6A

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NCH-207 093 Field 6P, 6H

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Order from NLL: 30s as RTS-3569

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TT-67-30649 Field 6P

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Order from CFSTI or ETC: HC$3.00, MF$0.65 as TT-67-30649

Abstract trans. of Sheng Li Hsueh Pao (Chinese People's Republic) v20 n4 p191-305 1956; v24 n1 p7-84; n2 p85-149 1960; n3/4 p151-67, 173-219, 227-45, 254-80 1961.

TT-67-61198 Field 6P, 6M

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THE EFFECT OF VITAMIN B1 UPON THE METABOLISM OF RACEMIC ACID BEFORE AND AFTER INTRODUCTION OF PLAGUE TOXIN. Dec 64, 6p, 4refs.
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Order from CFSTI or ETC: HC$3.00, MF$0.65 as AD-648 102

Trans. of Nauchno-Issledovatelskii Protivochumnyi In Institut Sibiri i Dalnego Vostoka, Irkutsk. Izvestiya (USSR) v25 p105-8 1963.

TT-67-61214 Field 6P

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Order from CFSTI or ETC: HC$3.00, MF$0.65 as AD-648 119

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Order from CFSTI or ETC: HC$3.00, MF$0.65
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## R. Radiobiology

TT-66-34258 Field 6R, 20H, 6K

Kuzin, A.
SOVIET MILITARY TRANSLATIONS NO. 325. Radiobiology and Cosmic Research. 27 Sep 66, 9p. JPRS-37830.
Order from CFSTI or ETC: HC$3.00, MF$0.65
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TT-67-61268 Field 6R

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Order from CFSTI or ETC: HC$3.00, MF$0.65
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## S. Stress physiology

TT-67-30554 Field 6S, 5J, 5G

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ANALYSIS OF INTONATIONAL CHARACTERISTICS OF SPEECH AS A CRITERION OF THE EMOTIONAL STATE OF MAN UNDER CONDITIONS OF SPACE FLIGHT. 15 Feb 67. 15p, 11refs. JPRS-39906.
Order from CFSTI or ETC: HC$3.00, MF$0.65
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TT-67-30825 Field 6S

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Order from CFSTI or ETC: HC$3.00, MF$0.65
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Trans. of Akademiya Nauk SSSR. Izvestiya. Seriya Biologicheskaya, v32 n1/2 p104-15 1967.

TT-67-61272 Field 6S, 6O

Belai, V. E.
PHARMACOLOGY IN SPACE MEDICINE (Problema Farmakologii v Kosmicheskoi Meditsine). Tr. by T. Boubel. 1967, 20p, refs.
SAM-TT-R-808-0167; AD-648 489.
Order from CFSTI or ETC: HC$3.00, MF$0.65
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Trans. of International Astronautical Congress (no. 17) Madrid, 9-15 Oct 66. Paper, n.p., n.d.

TT-67-61273 Field 6S, 9F

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BIO-TELEMETRY PROBLEMS DURING PROLONGED SPACE MISSIONS (Problemy Biotelemetrii v Dlitelnykh Kosmicheskikh Poletakh). Tr. by T. Boubel. 1967, 14p.
SAM-TT-R-814-1166; AD-648 490.
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Trans. of International Astronautical Congress (no. 17) Madrid, 9-15 Oct 66. Paper, n.p., n.d.

## T. Toxicology

TT-67-30763 Field 6T, 6D

Zlatanov, S.; Sheitanov, G.
PROPHYLAXIS AGAINST POISONING OF WHITE RATS WITH SARIN. 3 Mar 67, 11p, refs. JPRS-40117.
Order from CFSTI or ETC: HC$3.00, MF$0.65
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TT-67-30863 Field 6T, 15B, 6C

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CHANGES IN CONDITIONAL REFLEX ACTIVITIES OF DOGS POISONED WITH LETHAL DOSES OF SARIN AND SOMAN AND THEIR TREATMENT WITH NEMIKOL-5. 10 Mar 67, 10p, 13refs. JPRS-40217.
Order from CFSTI or ETC: HC$3.00, MF$0.65
as TT-67-30863

Trans. of Voenno Meditsinsko Delo (Bulgaria) v21 n6 p24-9 1966.

# 07 CHEMISTRY

TT-66-34263 Field 7-

COMMUNIST CHINESE SCIENTIFIC ABSTRACTS: CHEMISTRY NO. 38. 27 Sep 66, 19p. JPRS-37835.
Order from CFSTI or ETC: HC$3.00, MF$0.65
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TT-67-30612 Field 7-

COMMUNIST CHINESE SCIENTIFIC ABSTRACTS: CHEMISTRY NO. 62. 20 Feb 67, 31p. JPRS-39965. Order from CFSTI or ETC: HC$3.00, MF$0.65 as TT-67-30612

Trans. of Hua Hsueh Hsueh Pao (Chinese People's Republic) v26 n1 52p; n2 p55-116 1960; v27 n1 92p 1961.

TT-67-30626 Field 7-

COMMUNIST CHINESE SCIENTIFIC ABSTRACTS: CHEMISTRY NO. 63. 21 Feb 67, 30p. JPRS-39979. Order from CFSTI or ETC: HC$3.00, MF$0.65 as TT-67-30626

Abstract trans. of Hua Hsueh T'ung Pao (Chinese People's Republic) n12 64p 1963; n11 65p; n12 64p 1964.

TT-67-30650 Field 7-

COMMUNIST CHINESE SCIENTIFIC ABSTRACTS: CHEMISTRY NO. 64. 23 Feb 67, 32p. JPRS-40003. Order from CFSTI or ETC: HC$3.00, MF$0.65 as TT-67-30650

Abstract trans. of Hua Hsueh Shih Chieh (Chinese People's Republic) n4 p147-93; n6 p243-89 1964.

TT-67-30799 Field 7-

COMMUNIST CHINESE SCIENTIFIC ABSTRACTS: CHEMISTRY NO. 66. 7 Mar 67, 18p. JPRS-40153. Order from CFSTI or ETC: HC$3.00, MF$0.65 as TT-67-30799

Abstract trans. of Kuei Suan Yen Hsueh Pao (Chinese People's Republic) v1 n2 p55-117 1962 and Hua Hsueh T'ung Pao (Chinese People's Republic) n5 64p 1963.

TT-67-30813 Field 7-

EAST EUROPEAN SCIENTIFIC ABSTRACTS: CHEMISTRY NO. 86. 7 Mar 67, 96p. JPRS-40167. Order from CFSTI or ETC: HC$3.00, MF$0.65 as TT-67-30813

## A. Chemical engineering

NCH-206 550 Field 7A.

Luchanskii, L. N.
THE USE OF TALL OIL FOR THE MANUFACTURE OF ROSIN-CONTAINING ALKYD RESINS (Primenenie Tallovo Masla dlya Izgotovleniya Kanifolsoderzhashchikh Alkidnykh Smol). Jul 66, 8p, 13refs. RTS-3377. Order from NLL: 5s as RTS-3377

Trans. of Lakokrasochnye Materialy i Ikh Primenenie (USSR) n6 p75-77 1961.

NCH-206 784 Field 7A

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INFLUENCE OF THE SALT CONCENTRATION IN DESALTING COMPARTMENTS ON THE INCREASE OF THE CONCENTRATION OF SALTS. 30 Dec 66, 7p. ATS-69T96J.
Order from ATS: $10.75 as ATS-69T96J

Trans. of Kogyo Kagaku Zasshi (Japan) v69 n6 p1100-2 1966.

NCH-206 786 Field 7A

Romankov, P. G.; Rashkovskaya, N. B.
MODERN DRYING TECHNIQUES IN THE CHEMICAL INDUSTRY. 30 Dec 66, 12p. ATS-03T96R.
Order from ATS: $18.75 as ATS-03T96R

Trans. of Vsesoyuznoe Khimicheskoe Obshchestvo. Zhurnal (USSR) v10 n1 p18-25 1965.

NCH-206 789 Field 7A

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FORMATION OF ACETYLENE FROM COAL BY ARGON PLASMA. 30 Dec 66, 14p. ATS-70T96J.
Order from ATS: $25.50 as ATS-70T96J

Trans. of Kogyo Kagaku Zasshi (Japan) v69 n6 p1144-50 1966.

NCH-206 798 Field 7A

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EFFECT OF HEAT ON THE HYGROSCOPIC PROPERTY OF EMULSION FILMS. 30 Dec 66, 11p. ATS-24T96J.
Order from ATS: $28.50 as ATS-24T96J

Trans. of Kogyo Kagaku Zasshi (Japan) v69 n5 p1075-9 1966.

NCH-206 826 Field 7A

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CALCULATION OF A TUBULAR REACTOR FOR THE OXIDATION OF METHANOL TO FORMALDEHYDE. 1966, 17p. ATS-04T96I.
Order from ATS: $19.50 as ATS-04T96I

Trans. of la Chimica e l'Industria (Italy) v48 n6 p581-8 1966.

NCH-207 077 Field 7A

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TO OBTAIN MALEIC ANHYDRIDE BY THE CATALYTIC OXIDATION OF BUTYLENES IN A QUASI-LIQUID BED OF THE CATALYST (Poluchenie Maleinovogo Angidrida Kataliticheslim Okisleniem Butilenov v Psevdoozhizhonnom Sloe Katalizatora). Oct 66, 6p. RTS-3559.
Order from NLL: 10s as RTS-3559

Trans. of Azerbaidzhanskii Khimicheskii Zhurnal (USSR) n2 p91-4 1965.

NCH-207 328 Field 7A

Saito, Y.; Sunasawa, H.
STUDIES ON POLYSOAPS DERIVED FROM THE COPOLYMER OF STYRENE-MALEIC ANHYDRIDE. I. ON THE ESTERIFIED PRODUCTS. 20 Nov 66, 20p, 11refs. SA-KKZ-66-489-492.

Order from SA: $22.00 as SA-KKZ-66-489-492

Trans. of Kogyo Kagaku Zasshi (Japan) v66 n4 p489-92 1963.

NCH-207 329 Field 7A

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STUDIES ON POLYSOAPS DERIVED FROM THE COPOLYMER OF STYRENE-MALEIC ANHYDRIDE. 2. ON THE AMIDATION PRODUCTS. 20 Nov 66, 33p, 7refs. SA-KKZ-66-493-498.
Order from SA: $31.00 as SA-KKZ-66-493-498

Trans. of Kogyo Kagaku Zasshi (Japan) v66 n4 p493-8 1963.

NCH-207 343 Field 7A

Mizutani, M.; Kawazoe, K.; Fukuda, Y.
STUDIES ON CARBON BLACK. 5. STUDIES ON HYDROXYL AND CARBOXYL GROUPS ON THE SURFACE OF CARBON BLACK. 20 Nov 66, 13p, 16refs. SA-KKZ-66-1275-1277.
Order from SA: $19.00 as SA-KKZ-66-1275-1277

Trans. of Kogyo Kagaku Zasshi (Japan) v66 n9 p1275-7 1963.

NCH-207 352 Field 7A

Moriyama, T.; Abe, T.
CRYSTALLIZATION OF DIHYDROUS GYPSUM PRODUCED IN THE MANUFACTURE OF PHOSPHORIC ACID BY THE WET PROCESS. 1. CRYSTAL GROWTH RATE OF DIHYDROUS GYPSUM IN MIXED ACID OF PHOSPHORIC ACID AND SULFURIC ACID. 20 Nov 66, 25p, 7refs. SA-KKZ-66-1764-1769.
Order from SA: $25.00 as SA-KKZ-66-1764-1769

Trans. of Kogyo Kagaku Zasshi (Japan) v66 n12 p1764-9 1963.

NCH-207 353 Field 7A

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CRYSTALLIZATION OF DIHYDROUS GYPSUM PRODUCED IN THE MANUFACTURE OF PHOSPHORIC ACID BY THE WET PROCESS. 2. TRANSITION RATE OF SEMIHYDROUS GYPSUM TO DIHYDROUS GYPSUM IN MIXED ACID OF PHOSPHORIC ACID AND SULFURIC ACID. 20 Nov 66, 22p, 5refs. SA-KKZ-66-1769-1773.
Order from SA: $25.00 as SA-KKZ-66-1769-1773

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NCH-207 407 Field 7A

Babina, I. V.; Besser, A. D.
FLUIDIZED BED ROASTING OF ZINC CONCENTRATES WITH SUBLIMATION OF LEAD AND CADMIUM. Aug 66. MT-591.
Order from MT: $21.00 as MT-591

Trans. of Gosudarstvennyi Nauchno-Issledovatelskii Institut Tsvetnykh Metallov. Sbornik Nauchnykh Trudov (USSR) v18 p328-38 1961.

NCH-207 408 Field 7A

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BENEFICIATION OF OXIDIZED COPPER ORES BY A COMBINED METHOD. Aug 66. MT-592.
Order from MT: $34.00 as MT-592

Trans. of Gosudarstvennyi Nauchno-Issledovatelskii Institut Tsvetnykh Metallov. Sbornik Nauchnykh Trudov (USSR) v19 p130-47 1962.

NCH-207 409 Field 7A

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DETERMINATION OF THE IGNITION TEMPERATURE OF SULPHIDES IN A FLUIDIZED BED. Aug 66. MT-593.
Order from TM: $8.60 as MT-593

Trans. of Uralskii Politekhnicheskii Institut, Sverdlovsk. Trudy (USSR) v134 p9-13 1963.

NCH-207 755 Field 7A

Gerasicheva, Z. V.; Botnikov, Ya. A.; Osipova, E. V.
THERMAL CRACKING OF PARAFFINS TO alpha-OLEFINS. 10 Feb 67, 9p. ATS-65T98R.
Order from ATS: $13.30 as ATS-65T98R

Trans. of Khimiya i Tekhnologiya Topliv i Masel (USSR) v11 n9 p1-6 1966.
For another listing of this journal see "Translated or Abstracted Publications," in TT Vol. 16, No. 4.

NCH-207 761 Field 7A

Perezhigina, I. Ya.; Agafonov, A. V.; Rysakov, M. V.; Osipov, L. N.; Rogov, S. P.
A STUDY OF THE RELATIONSHIPS GOVERNING THE HYDROCRACKING OF A HEAVY HIGH-SULFUR DISTILLATE. 10 Feb 66, 7p. ATS-34T98R.
Order from ATS: $10.75 as ATS-34T98R

Trans. of Khimiya i Tekhnologiya Topliv i Masel (USSR) v11 n10 p15-8 1966.
For another listing of this journal see "Translated or Abstracted Publications," in TT Vol. 16, No. 4.

NCH-207 767 Field 7A

Aleksandrov, I. A.
DETERMINATION OF THE BASIC DIMENSIONS OF TRAY RECTIFICATION COLUMNS. 10 Feb 67, 11p. ATS-82T97R.
Order from ATS: $16.25 as ATS-82T97R

Trans. of Khimiya i Tekhnologiya Topliv i Masel (USSR) v8 n1 p50-8 1963.

NCH-207 774 Field 7A

Kazanskii, V. L.; Badyshtova, K. M.; Denisenko, K. K.
HYDROCRACKING OF HYDROCARBONS OF PETROLATUM FROM CRUDE OIL. 10 Feb 67, 5p. ATS-33T98R.
Order from ATS: $7.00 as ATS-33T98R

Trans. of Khimiya i Tekhnologiya Topliv i Masel (USSR) v11 n10 p19-22 1966.
For another listing of this journal see "Translated or Abstracted Publications," in TT Vol. 16, No. 4.

NCH-207 785 Field 7A, 5C

Prosin, P. I.
CONVERSION OF THE MOSCOW PETROLEUM REFINERY TO A NEW SYSTEM OF PLANNING AND ECONOMIC STIMULATION. 10 Feb 67, 7p. ATS-10T97R.
Order from ATS: $10.50 as ATS-10T97R

Trans. of Khimiya i Tekhnologiya Topliv i Masel (USSR) v11 n8 p31-5 1966.

NCH-207 790 Field 7A

Kotova, A. V.; Benkovskii, V. G.; Bulgakov, V. B.; Valisheva, N. Kh.
DEGRADATION OF METALLOPORPHYRIN COMPLEXES OF VANADIUM UNDER THE ACTION OF gamma-RADIATION ON CRUDE OIL AND PETROLEUM PRODUCTS. 10 Feb 67, 4p. ATS-81T96R.
Order from ATS: $7.25 as ATS-81T96R

Trans. of Khimiya i Tekhnologiya Topliv i Masel (USSR) v11 n8 p22-4 1966.
For another listing of this journal see "Translated or Abstracted Publications," in TT Vol. 16, No. 4.

TT-66-34260 Field 7A, 13I

Chernyshev, E.; Lunacharskaya, I.
USSR INDUSTRIAL DEVELOPMENT: CHEMICAL INDUSTRY AND MACHINERY NO. 13. 27 Sep 66, 10p. JPRS-37832.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as TT-66-34260

Trans. from Ekonomicheskaya Gazeta (USSR) n31 p17 1966 and Sovetskaya Latviya (Latvian SSR) 8 Jul p2 1966.

TT-67-30810 Field 7A, 13I

Fedorov, V.; Malkov, N.; Zherebtsov, A. N.; Susiyakov, A. V.; Gorbatov, M. Ya.
USSR INDUSTRIAL DEVELOPMENT: CHEMICAL INDUSTRY AND MACHINERY NO. 40. 7 Mar 67, 20p. JPRS-40164.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as TT-67-30810

Trans. from Ekonomicheskaya Gazeta (USSR) n6 p5-6; n4 p27 1967 and of Kauchuk i Rezina (USSR) n1 p2-4 1967.
For another listing of Kauchuk i Rezina (USSR) see TT v16 n4

TT-67-60709 Field 7A

Barth, W.
DEPOSIT, TRANSPORT AND RE-ENTRAINMENT OF DUSTS IN AN AIR STREAM. Tr. by R. F. Brinkley. 1966, 18p, 5refs.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as TT-67-60709

Trans. of Chemie-Ingenieur-Technik (West Germany) v35 n3 p209-14 1963.

## B. Inorganic chemistry

NCH-206 813 Field 7B

Altshuler, M. M.; Ilina, E. N.; Klyamer, S. D.
PRODUCTION OF ELEMENTAL SULFUR IN THE REMOVAL OF HYDROGEN SULFIDE FROM NATURAL GAS. 30 Dec 66, 6p. ATS-71T94R.
Order from ATS: $7.45 as ATS-71T94R

Trans. of Gazovaya Promyshlennost (USSR) v11 n2 p51-4 1966.

NCH-207 147 Field 7B

Mulfinger, H. O.; Franz, H.
THE INCORPORATION OF CHEMICALLY DISSOLVED NITROGEN. Sep 66. BGIRA-667.
Order from BGIRA as BGIRA-667

Trans. of Unidentified mono., n.p., n.d.

## C. Organic chemistry

NCH-206 783 Field 7C

Pliss, G. B.
CARCINOGENIC PROPERTIES OF o-TOLIDINE AND DIANISIDINE. 30 Dec 66, 5p. ATS-39T96R.
Order from ATS: $9.85 as ATS-38T96R

Trans. of Gigiena Truda i Professionalnye Zabolevaniya (USSR) v9 n7 p18-22 1965.

NCH-206 792 Field 7C, 7E

Pestrikov, S. V.; Moiseev, I. I.; Tsvilikhovskaya, B. A.
THE COMPOSITION OF PALLADIUM(II) CHLORIDE pi-COMPLEXES WITH ETHYLENE, PROPYLENE, AND 1-BUTYLENE. 30 Dec 66, 4p. ATS-11T96R.
Order from ATS: $5.85 as ATS-11T96R

Trans. of Zhurnal Neorganicheskoi Khimii (USSR) v11 n7 p742-4 1966.
For another listing of this journal see "Translated or Abstracted Publications," in TT Vol. 16, No. 4.

NCH-206 795 Field 7C

Semikolennykh, L. M.; Katsnelson, M. G.; Delnik, V. B.
PREPARATION OF 7-(2,3-DIHYDROXYPROPYL) THEOPHYLLINE (DIPROPHYLLINE) IN DIETHYLENE GLYCOL MEDIUM. 30 Dec 66, 3p. ATS-67T94R.
Order from ATS: $5.00 as ATS-67T94R

Trans. of Meditsinskaya Promyshlennost SSSR, v19 n8 p21-2 1965.

NCH-206 804 Field 7C

Adelson, S. V.; Nikonov, V. I.
EFFECT OF CERTAIN FACTORS ON THE DEHYDROGENATION OF ISOPENTANE IN THE PRESENCE OF IODINE. 30 Dec 66, 6p. ATS-91T94R.
Order from ATS: $8.00 as ATS-91T94R

Trans. of Khimiya i Tekhnologiya Topliv i Masel (USSR) v11 n3 p6-8 1966.

NCH-206 810 Field 7C

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TRANSFORMATION OF BICYCLIC AROMATIC HYDROCARBONS UNDER DESTRUCTIVE HYDROGENATION CONDITIONS. 30 Dec 66, 9p. ATS-95T94R.
Order from ATS: $11.85 as ATS-95T94R

Trans. of Neftekhimiya (USSR) v6 n1 p27-34 1966.
For another listing of this journal see "Translated or Abstracted Publications," in TT Vol. 16, No. 4.

NCH-206 812 Field 7C

Aerov, M. E.; Vostrikova, V. N.; Gurovich, R. E.
A STUDY OF THE PROCESS OF RECTIFICATION DRYING OF HYDROCARBONS. 30 Dec 66, 5p.
ATS-44T95R.
Order from ATS: $7.50 as ATS-44T95R

Trans. of Khimicheskaya Promyshlennost (USSR) v42 n4 p298-300 1966.

NCH-206 833 Field 7C, 7D

Pestrikov, S. V.; Moiseev, I. I.; Sverzh, L. M.
EFFECT OF IONIC STRENGTH ON THE FORMATION EQUILIBRIUM OF pi-COMPLEXES OF PALLADIUM CHLORIDE WITH ETHYLENE AND 1-BUTENE.
4 Jan 67, 4p. ATS-51T97R.
Order from ATS as ATS-51T97R

Trans. of Zhurnal Neorganicheskoi Khimii (USSR) v11 n9 p2081-3 1966.
For another listing of this journal see "Translated or Abstracted Publications," in TT Vol. 16, No. 4.

NCH-206 842 Field 7C

Delimarskii, Yu. K.
PRODUCTION OF PERMUTITE BY THE DRY METHOD. PART 1. 4 Jan 67, 6p. ATS-55T97R.
Order from ATS: $9.75 as ATS-55T97R

Trans. of Zhurnal Obshchei Khimii (USSR) v4 n10 p1400-4 1934.

NCH-206 848 Field 7C

Delimarskii, Yu. K.; Zharovskii, F. G.
PRODUCTION OF PERMUTITE BY THE DRY METHOD. PART 2. 4 Jan 67, 3p. ATS-59T97R.
Order from ATS: $3.95 as ATS-59T97R

Trans. of Zhurnal Obshchei Khimii (USSR) v4 n10 p1405-6 1934.

NCH-207 096 Field 7C

Lumbroso, D.; Hellin, M.; Coussemant, F.
HYDRATION OF OLEFINS IN AN AQUEOUS SULFURIC MEDIUM. 1966, 20p. TC-2576.
Order from TC: $19.00 as TC-2576

Trans. of Revue de l'Institut Francais du Petrole et Annales des Combustibles Liquides, v14 n4/5 p732-44 1959.

NCH-207 327 Field 7C

Saegusa, T.; Imai, H.; Hirai, S.; Furukawa, J.
PROMOTERS FOR THE CATIONIC POLYMERIZATION OF CYCLIC ETHERS. 20 Nov 66, 19p, 6refs.
SA-KKZ-66-474-477.
Order from SA: $22.00 as SA-KKZ-66-474-477

Trans. of Kogyo Kagaku Zasshi (Japan) v66 n4 p474-7 1963.

NCH-207 331 Field 7C

Kato, T.
PREPARATION OF BISPHENOL A FROM CUMYL HYDROPEROXIDE AND PHENOL. 20 Nov 66, 6p. 13refs. SA-KKZ-66-730-731.
Order from SA: $15.00 as SA-KKZ-66-730-731

Trans. of Kogyo Kagaku Zasshi (Japan) v66 n5 p730-1 1963.

NCH-207 332 Field 7C

Shikama, K.
THE INFLUENCE OF UREA ON THE POLYMERIZATION OF MONOVINYLACETYLENE AND CHLOROPRENE DISSOLVED IN BENZENE. 20 Nov 66, 5p.
SA-KKZ-66-731.
Order from SA: $10.00 as SA-KKZ-66-731

Trans. of Kogyo Kagaku Zasshi (Japan) v66 n5 p731 1963.

NCH-207 336 Field 7C

Imoto, T.; Aotani, K.; Iwasaki, K.
POLYMERIZATION OF FORMALDEHYDE. 20 Nov 66, 13p, 12refs. SA-KKZ-66-985-987.
Order from SA: $19.00 as SA-KKZ-66-985-987

Trans. of Kogyo Kagaku Zasshi (Japan) v66 n7 p985-7 1963.

NCH-207 337 Field 7C

Tada, K.; Saegusa, T.; Furukawa, J.
COPOLYMERIZATION OF 3,3-BIS(CHLOROMETHYL) OXACYCLOBUTANE AND BETA-PROPIOLACTONE.
20 Nov 66, 41p, 18refs. SA-KKZ-66-996-1002.
Order from SA: $37.00 as SA-KKZ-66-996-1002

Trans. of Kogyo Kagaku Zasshi (Japan) v66 n7 p996-1002 1963.

NCH-207 338 Field 7C

Ikeda, S.; Hatano, M.
POLYMERIZATION REACTIONS BY ORGANIC TRANSITION-METAL COMPLEXES. 20 Nov 66, 28p, 39refs.
SA-KKZ-66-1032-1037.
Order from SA: $28.00 as SA-KKZ-66-1032-1037

Trans. of Kogyo Kagaku Zasshi (Japan) v66 n8 p1032-7.

NCH-207 344 Field 7C

Tamura, F.; Shimodoi, Y.; Murata, J.
STUDY ON THE DIHYDROPYRAN DERIVATIVES. 1. THE EFFECTS OF SOLVENTS IN THE DIMERIZATION OF METHYL VINYL KETONE. 20 Nov 66, 16p, 6refs. SA-KKZ-66-1344-1347.
Order from SA: $22.00 as SA-KKZ-66-1344-1347

Trans. of Kogyo Kagaku Zasshi (Japan) v66 n9 p1344-7 1963.

NCH-207 345 Field 7C

Tamura, F.; Shimodoi, Y.; Murata, J.
STUDY ON THE DIHYDROPYRAN DERIVATIVES. 2. REACTION OF METHYL VINYL KETONE OR ITS DIMER WITH ALCOHOLS. 20 Nov 66, 11p, 3refs.
SA-KKZ-66-1348-1349.

Order from SA: $19.00 as SA-KKZ-66-1348-1349

Trans. of Kogyo Kagaku Zasshi (Japan) v66 n9 p1348-9 1963.

NCH-207 348 Field 7C

Yamanouchi, S.; Yasuno, K.
MELT FLOW PROPERTIES OF POLYPROPYLENE. 20 Nov 66, 16p, 12refs. SA-KKZ-66-1468-1471.
Order from SA: $22.00 as SA-KKZ-66-1468-1471

Trans. of Kogyo Kagaku Zasshi (Japan) v66 n10 p1468-71 1963.

NCH-207 350 Field 7C

Tanaka, S.; Kurachi, T.; Tsuge, M.; Sato, H.; Kawakita, M.
DETERMINATION OF THE MEAN DEGREE OF POLYMERIZATION OF FORMALDEHYDE POLYMER IN AQUEOUS SOLUTION. 20 Nov 66, 20p, 6refs. SA-KKZ-66-1597-1601.
Order from SA: $22.00 as SA-KKZ-66-1597-1601

Trans. of Kogyo Kagaku Zasshi (Japan) v66 n11 p1597-1601 1963.

NCH-207 354 Field 7C

Kagiya, T.; Hatta, M.; Shimizu, M.; Fukui, K.
A HIGH POLYMERIZATION OF 1,3-DIOXOLANE. 20 Nov 66, 20p, 7refs. SA-KKZ-66-1890-1892.
Order from SA: $22.00 as SA-KKZ-66-1890-1892

Trans. of Kogyo Kagaku Zasshi (Japan) v66 n12 p1890-2 1963.

NCH-207 355 Field 7C

Nagai, Y.; Nakajima, T.
STUDIES ON POLYMERIZATION OF UNSATURATED ALDEHYDES. 1. POLYMERIZATION OF METHACROLEIN. 20 Nov 66, 18p, 5refs. SA-KKZ-66-1905-1908.
Order from SA: $22.00 as SA-KKZ-66-1905-1908

Trans. of Kogyo Kagaku Zasshi (Japan) v66 n12 p1905-8 1963.

NCH-207 358 Field 7C

Yoshida, Z.; Matsumoto, T.; Oda, R.
STUDIES ON FREE RADICAL REACTIONS. 8. DIRECT RING AMINATION OF ANTHRAQUINONE-BETA-SULFONIC ACID WITH AMINO FREE RADICAL. 20 Nov 66, 19p, 15refs. SA-KKZ-67-67-69.
Order from SA: $22.00 as SA-KKZ-67-67-69

Trans. of Kogyo Kagaku Zasshi (Japan) v67 n1 p67-9 1964.

NCH-207 364 Field 7C

Breitenbach, J. W.; Olaj, O. F.
THE QUESTION OF THE "TRUE" MONOMER TRANSFER CONSTANTS IN THE RADICAL POLYMERIZATION OF O-CHLOROSTYRENE. 11 Oct 66, 10p. IICH-9100.
Order from IICH: $10.00 as IICH-9100

Trans. of Makromolekulare Chemie (Switzerland) v96 p83-91 1966.

TT-67-30916 Field 7C, 7D

Nikonorov, K. V.; Gurylev, E. A.; Fakhrislamova, F. F.; Raspopova, T. V.; Urazaeva, L. G.
ORGANIC AND PHYSICAL CHEMISTRY REPORTS OF THE USSR ACADEMY OF SCIENCES. 15 Mar 67, 15p, 13refs. JPRS-40270.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as TT-67-30916

Trans. of Akademiya Nauk SSSR. Doklady, v172 n2 p353-6, 383-5 1967.

TT-67-60572 Field 7C

Michio Hiraoka; Takenobu Takase; Akira Misono.
PREPARATION OF AROMATIC HYDROCARBON-SODIUM COMPLEX WITH SODIUM DISPERSION. Tr. by Chisung Wu. 1966, 27p (foreign text included). BM-Trans-2936.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as TT-67-60572

Trans. of Kogyo Kagaku Zasshi (Japan) v66 n8 p1074-9 1963.

## D. Physical chemistry

NCH-206 793 Field 7D

Tatur, H.
STUDY OF THE PURIFICATION OF DIBUTYL PHTHALATE BY MEANS OF MIXED ION-EXCHANGE RESINS. 30 Dec 66, 8p. ATS-20T96P
Order from ATS: $11.90 as ATS-20T96P

Trans. of Przemysl Chemiczny (Poland) v7 p627-31 1951.

NCH-206 794 Field 7D

Kazavchinskii, Ya. Z.; Tabachnikov, A. G.
AN EQUATION OF STATE FOR MIXTURES OF REAL GASES. 30 Dec 66, 7p. ATS-63T96R.
Order from ATS: $10.50 as ATS-63T96R

Trans. of Izvestiya Vysshikh Uchebnykh Zavedenii. Neft i Gaz (USSR) v5 n7 p77-82 1962.

NCH-206 796 Field 7D

Mukhina, N. A.; Gilev, A. P.; Klimenko, V. G.
SYNTHESIS OF TERSAVID. 30 Dec 66, 3p. ATS-63T94R.
Order from ATS: $7.50 as ATS-63T94R

Trans. of Meditsinskaya Promyshlennost SSSR, v19 n7 p9-11 1965.

NCH-206 797 Field 7D

Lipkovskii, A. S.
THE USE OF ION-EXCHANGE RESINS IN THE PRODUCTION OF AMINO ACIDS. I. PRODUCTION OF HISTIDINE AND LYSINE. 30 Dec 66, 4p. ATS-69T94R.
Order from ATS: $8.65 as ATS-69T94R

Trans. of Meditsinskaya Promyshlennost SSSR, v19 n8 p34-6 1965.

NCH-206 802 Field 7D

Tsyskovskii, V. K.; Freiden, B. G.; Moskovich, Yu. L.
EFFECT OF THE DEGENERATION OF HOMOGENEOUS CATALYSTS ON THE OXIDATION OF PARAFFINS.
30 Dec 66, 5p. ATS-45T95R.
Order from ATS: $8.00 as ATS-45T95R

Trans. of Khimicheskaya Promyshlennost (USSR) v42 n3 p97-9 1966.

NCH-206 803 Field 7D

Tsvetkov, O.N.; Korenev, K.D.; Karavaev, N. M.; Dmitriev, S. A.
ALKYLATION OF PHENOLS WITH HIGHER OLEFINS.
30 Dec 66, 15p. ATS-40T95R.
Order from ATS: $22.75 as ATS-40T95R

Trans. of Khimicheskaya Promyshlennost (USSR) v42 n4 p243-50 1966.

NCH-206 806 Field 7D

Maslyanskii, G. N.; Bursian, N. R.; Shipikin, V. V.; Zharkov, B.B.
REGENERATION OF PLATINUM-ALUMINA REFORMING CATALYSTS WITH CHLORINE. 30 Dec 66, 7p.
ATS-89T94R.
Order from ATS: $9.50 as ATS-89T94R

Trans. of Khimiya i Tekhnologiya Topliv i Masel (USSR) v11 n3 p1-5 1966.
For another listing of this journal see "Translated or Abstracted Publications," in TT Vol. 16, No. 4.

NCH-206 808 Field 7D, 7C

Minachev, Kh. M.; Isakov, Ya. I.; Garanin, V. I.; Piguzova, L. I.; Vitukhina, A. S.
ALKYLATION OF BENZENE ON SYNTHETIC ZEOLITES AT ATMOSPHERIC PRESSURE. 30 Dec 66, 8p.
ATS-96T94R.
Order from ATS: $12.95 as ATS-96T94R

Trans. of Neftekhimiya (USSR) v6 n1 p47-52 1966.
For another listing of this journal see "Translated or Abstracted Publications," in TT Vol. 16, No. 4.

NCH-206 809 Field 7D, 9B

Gluzman, S. S.; Krainov, V. N.
A STUDY OF THE DYNAMIC PROPERTIES OF THE DIRECT DIGITAL CONTROL SYSTEM FOR THE AMMONIA SYNTHESIS PROCESS. 30 Dec 66, 12p.
ATS-46T95R.
Order from ATS: $15.85 as ATS-46T95R

Trans. of Khimicheskaya Promyshlennost (USSR) v42 n3 p223-9 1966.

NCH-206 827 Field 7D

Bekhli, A. F.; Braude, M. B.; Vorobeva, Z. G.; Shvedova, V. I.
SYNTHESIS OF PHENASAL. 30 Dec 66, 4p.
ATS-70T94R.
Order from ATS: $7.50 as ATS-70T94R

Trans. of Meditsinskaya Promyshlennost SSSR, v19 n9 p25-7 1965.

NCH-206 862 Field 7D

Stein, K. U.
THRESHOLD FIELDS FOR COHERENT MAGNETIZATION ROTATION IN THIN NICKEL-IRON FILMS. 4 Jan 67, 7p.
ATS-74T97G.
Order from ATS: $12.85 as ATS-74T97G

Trans. of Zeitschrift fuer Angewandte Physik (West Germany) v20 n5 p323-6 1966.

NCH-206 863 Field 7D

Roder, O.; Stampa, A.
PHOTOELECTRIC DETERMINATION OF LINE PROFILES OF THERMALLY EXCITED HELIUM I LINES.
4 Jan 67, 7p. ATS-02T98G.
Order from ATS: $9.25 as ATS-02T98G

Trans. of Zeitschrift fuer Physik (West Germany) v178 p348-53 1964.

NCH-206 866 Field 7D

Stein, K. U.
COHERENT AND INCOHERENT ROTATION IN PULSE (HIGH-SPEED) MAGNETIZATION REVERSAL OF THIN NICKEL-IRON FILMS. 4 Jan 67, 20p. ATS-31T97G.
Order from ATS: $32.50 as ATS-31T97G

Trans. of Zeitschrift fuer Angewandte Physik (West Germany) v20 n1 p36-46 1965.

NCH-206 873 Field 7D

Boetticher, W.; Roder, O.; Wobig, K. H.
MEASUREMENT OF TRANSITION PROBABILITIES, HALFWIDTHS, AND SHIFTS OF HELIUM I LINES.
4 Jan 67, 8p. ATS-01T98G.
Order from ATS: $12.45 as ATS-01T98G

Trans. of Zeitschrift fuer Physik (West Germany) v175 p480-9 1963.

NCH-207 318 Field 7D

Deryagin, B.; Kusakov, M.
THE CHARACTERISTICS OF THIN LIQUID FILMS AND THEIR INFLUENCE ON THE INTERACTION OF SOLID SURFACES. Jun 66. TTIS-NS-571.
Order from TTIS $70.00 as NS-571

Trans. of Akademiya Nauk (SSSR). Izvestiya, n5 p741-52 1936.

NCH-207 335 Field 7D

Kakiuchi, H.; Fukuda, W.
THE FRACTIONATION OF POLYOXYMETHYLENE-DIACETATE AND ITS MOLECULAR WEIGHT DISTRIBUTION. 20 Nov 66, 22p, 10refs. SA-KKZ-66-964-968.
Order from SA: $25.00 as SA-KKZ-66-964-968

Trans. of Kogyo Kagaku Zasshi (Japan) v66 n7 p964-8 1963.

NCH-207 339 Field 7D

Mashio, F.
METAL COMPOUNDS AS LIQUID-PHASE OXIDATION

CATALYSTS. 20 Nov 66, 21p, 23refs.
SA-KKZ-66-1057-1060.
Order from SA: $25.00 as SA-KKZ-66-1057-1060

Trans. of Kogyo Kagaku Zasshi (Japan) v66 n8 p1057-60 1963.

NCH-207 342 Field 7D

Sugiura, M.; Fujii, E.
SORPTION OF WATER AND GLASS TRANSITION TEMPERATURE IN POLYVINYL PYRROLIDONE. 20 Nov 66, 14p, 9refs. SA-KKZ-66-1228-1230.
Order from SA: $19.00 as SA-KKZ-66-1228-1230

Trans. of Kogyo Kagaku Zasshi (Japan) v66 n8 p1228-30 1963.

NCH-207 770 Field 7D

Saukhanov, A. V.; Planovskii, A. N.
HYDRODYNAMICS AND MASS TRANSFER IN THE LIQUID PHASE ON SIEVE TRAYS. 10 Feb 67, 10p. ATS-83T97R.
Order from ATS: $14.75 as ATS-83T97R

Trans. of Khimicheskaya Promyshlennost (USSR) v40 n4 p289-94 1964.

NCH-207 778 Field 7D

Danilychev, I. A.; Planovskii, A. N.; Chekhov, O. S.
A STUDY OF MIXING ON SIEVE TRAYS AND A DESIGN METHOD FOR TRAY-TYPE MASS TRANSFER EQUIPMENT. 10 Feb 67, 9p. ATS-78T97R.
Order from ATS: $14.50 as ATS-78T97R

Trans. of Khimicheskaya Promyshlennost (USSR) v40 n6 p461-5 1964.

NCH-207 779 Field 7D

Kasatkin, A. G.; Dytnerskii, Yu. I.; Popov, D. M.
HYDRAULIC RELATIONSHIPS IN PROCESSES ON DUAL-FLOW BUBBLE TRAYS. 10 Feb 66, 20p. ATS-81T97R.
Order from ATS: $26.90 as ATS-81T97R

Trans. of Khimicheskaya Promyshlennost (USSR) v37 n7 p482-91 1961.

NCH-207 788 Field 7D

Shakhova, S. F.; Bondareva, T. I.; Sergeeva, L. E.
SOLUBILITY OF CARBON DIOXIDE AND HYDROGEN SULFIDE IN N-METHYLPYRROLIDONE-2. 10 Feb 67, 5p. ATS-93T96R.
Order from ATS: $6.00 as ATS-93T96R

Trans. of Khimicheskaya Promyshlennost (USSR) v42 n7 p516-8 1966.

NCH-207 798 Field 7D

Mukhina, T. N.; Itsek, S. E.; Braginskii, O. B.; Makarov, O. V.
EFFECT OF FEEDSTOCK DISTILLATION RANGE AND CHEMICAL COMPOSITION ON THE TECHNO-ECONOMIC INDICES OF PYROLYSIS OF LOW-OCTANE NAPHTHA FRACTIONS. 10 Feb 67, 7p. ATS-09T96R.
Order from ATS: $8.50 as ATS-09T96R

Trans. of Khimicheskaya Promyshlennost (USSR) v42 n3 p171-3 1966.

NCH-207 806 Field 7D

Isagulyants, V. I.; Preobrazhenskaya, N. V.
SYNTHESIS OF ISOBORNYLPHENOL BY THE CONTINUOUS ALKYLATION OF PHENOL WITH alpha-PINENE. 10 Feb 67, 4p. ATS-61T97R.
Order from ATS: $4.95 as ATS-61T97R

Trans. of Khimicheskaya Promyshlennost (USSR) v41 n10 p739-40 1965.

TT-66-27251 Field 7D

Pechkovskii, V. V.
ZINC SULPHATE DECOMPOSITION. CEGB-CET-1728.
Order from CEGB as CEGB-CET.1728

Trans. of Zhurnal Neorganicheskoi Khimii (USSR) v3 n7 p1483-6 1958.
For another listing of this journal see "Translated or Abstracted Publications," in TT Vol. 16, No. 4.

TT-66-27252 Field 7D, 11F

Savitskii, E. M.; Tylkina, M. A.; Zotev, Yu. A.
SYSTEM RHENIUM-TITANIUM. CEGB-X-63.
Order from CEGB as CEGB-X.63

Trans. of Zhurnal Neorganicheskoi Khimii (USSR) v4 n3 p702-4 1959.
For another listing of this journal see "Translated or Abstracted Publications," in TT Vol. 16, No. 4.

TT-67-60580 Field 7D

Takezaki, Y.; Teraoka, T.; Sugita, N.; Teranishi, H.; Kudo, K.
THE REACTION OF m-XYLENE WITH CO UNDER PRESSURE AND CATALYSIS: STUDY ON THE CHEMICAL KINETICS IN HF-$BF_3$ SYSTEM. Tr. by Hsin Yau Chung. 1966, 27p (some figs omitted, foreign text included). BM-Trans-3084.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as TT-67-60580

Trans. of Kogyo Kagaku Zasshi (Japan) v69 n5 p907-12 1966.

TT-67-61104 Field 7D

Lazar, M.; Kysel, O.
HYDROGEN MIGRATION IN ALKYL RADICALS (Migracia Vodika v Alkylovych Radikaloch). 1966, 20p, 90refs.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as TT-67-61104

Trans. of Chemicke Listy (Czechoslovakia) v60 p192-209 1966.

TT-67-61226 Field 7D, 7B

Shidlovskii, A. A.; Shmagin, L. F.; Bulanova, V. V.
EFFECT OF CERTAIN ADDITIVES ON THE THERMAL

DECOMPOSITION OF AMMONIUM PERCHLORATE.
Jan 67, 16p, 20refs. RSIC-640; AD-648 145.
Order from CFSTI or ETC: HC$3.00, MF$0.65
as AD-648 145

Trans. of Izvestiya Vysshikh Uchebnykh Zavedenii. Khimiya i Khimicheskaya Tekhonologiya (USSR), v8 n4 p533-8 1965.

### E. Radio and radiation chemistry

NCH-207 316 Field 7E, 11C

Sokola, K.
THE ADSORPTION OF STEARYL ALCOHOL AND TRIPALMITIN ON RUTILE SURFACES. Jun 66. TTIS-NS-569.
Order from TTIS: $42.00 as NS-569

Trans. of Chemicky Prumysl (Czechoslovakia) v15 p735-9 1965.

TT-67-30758 Field 7E

Vlasyuk, P. A.; Kolomiitseva, M. G.; Yatsyuk, M. D.; Medovar, B. Ya.; Popov, G. V.
TRACE ELEMENTS IN AGRICULTURE AND MEDICINE. 3 Mar 67, 33p. JPRS-40112.
Order from CFSTI or ETC: HC$3.00, MF$0.65
as TT-67-30758

Trans. of mono. Mikro-Elementy v Selskom Khozyaistve i Meditsine, Kiev, 1966 p3-18, 145-51, 167-9, 212-5, 239-40.

## 08 EARTH SCIENCES AND OCEANOGRAPHY

TT-67-30854 Field 8-

EAST EUROPEAN SCIENTIFIC ABSTRACTS: EARTH SCIENCES NO. 52. 10 Mar 67, 43p. JPRS-40208.
Order from CFSTI or ETC: HC$3.00, MF$0.65
as TT-67-30854

### A. Biological oceanography

TT-67-30805 Field 8A

Alekseev, A. A.; Karpovich, N. M.
ACTIVITIES OF THE POLAR SCIENTIFIC RESEARCH INSTITUTE OF SEA FISHERIES AND OCEANOGRAPHY. 7 Mar 67, 7p. JPRS-40159.
Order from CFSTI or ETC: HC$3.00, MF$0.65
as TT-67-30805

Trans. of Rybnoe Khozyaistvo (USSR) v42 n11 p2-3 1966.

### C. Dynamic oceanography

TT-67-61227 Field 8C

Ching Chen-hua.
PRINCIPLES OF OCEANOGRAPHY: TRANSLATED SUMMARY AND CONTENTS. 1966, 12p. Emm-66-144(a); AD-648 161.
Order from CFSTI or ETC: HC$3.00, MF$0.65
as AD-648 161

Abstract trans. from Unidentified mono., Peking, 1966 465.
Contract AF 19(628)-5073.

TT-67-61260 Field 8C, 12A

Brovikov, I. S.
DISTRIBUTION FUNCTIONS OF WAVE ELEMENTS IN SHALLOW WATER. Tr. by C. R. Haave. 23 Jan 67, 13p, 3refs. TG-230-T512; AD-648 354.
Order from CFSTI or ETC: HC$3.00, MF$0.65
as AD-648 354

Trans. of Gosudarstvennyi Okeanograficheskii Institut. Trudy, v50 p39-44 1960.
Contract NOw-62-0604

### D. Geochemistry

NCH-206 787 Field 8D, 8G

Khitarov, N. I.; Pugin, V. A.
MONTMORILLONITE UNDER CONDITIONS OF ELEVATED TEMPERATURES AND PRESSURES. 30 Dec 66, 7p. ATS-01T97R.
Order from ATS: $12.85 as ATS-01T97R

Trans. of Geokhimiya (USSR) n7 p790-5 1966.

### E. Geodesy

TT-66-51042 Field 8E, 8G, 8K

Gerasimov, I. P., ed.
RECENT CRUSTAL MOVEMENTS: COLLECTION OF ARTICLES NO. 1. Tr. by Z. Garfunkel. 1967, 422p, refs. SFCSI-Int(TT-66-51042).
Order from CFSTI: $3.00 as TT-66-51042

Trans. of mono. Sovremennye Dvizheniya Zemnoi Kory, Moscow, 1963.

TT-67-30764 Field 8E

Deumlich, F.
THE INTERNATIONAL GEODETIC CONFERENCE IN HUNGARY. 3 Mar 67, 11p. JPRS-40118.
Order from CFSTI or ETC: HC$3.00, MF$0.65
as TT-67-30764

Trans. of Vermessungstechnik (East Germany) n6 p228-30 1966.

TT-67-30767 Field 8E, 8B

COMMUNIST CHINESE SCIENTIFIC ABSTRACTS: EARTH SCIENCES NO. 95. 3 Mar 67, 36p. JPRS-40121.
Order from CFSTI or ETC: HC$3.00, MF$0.65
as TT-67-30767

Abstract trans. of T'se Hui T'ung Pao (Chinese People's Republic) v8 n2 p1-41; n3 p1-40; n7 p1-42 1964; v9 n10 p1-42; n11 p1-42 1965.

### F. Geography

TT-67-61184 Field 8F

STUDIES ON THE MANAGEMENT OF SAND RESOURCES. I. COMPREHENSIVE SURVEYS; TRANSLATED SUMMARY AND TITLES OF ARTICLES. 1966, 5p. Emm-66-145(a); AD-648 065.
Order from CFSTI or ETC: HC$3.00, MF$0.65
as AD-648 065

Abstract trans. from Unidentified article, Peking, n3 20?p 1962.

TT-67-61228 Field 8F

STUDIES ON THE MANAGEMENT OF SAND RESOURCES. II. NATURAL ENVIRONMENT: TRANSLATED SUMMARY AND TITLES. 1962, 6p. Emm-66-146(a); AD-648 162.
Order from CFSTI or ETC: HC$3.00, MF$0.65
as AD-648 162

Abstract trans. from Unidentified article, Peking, n4 278p 1962.
Contract AF 19(628)-5073.

TT-67-61229 Field 8F

SYMPOSIUM OF GEOGRAPHICA SINICA ON GEOMORPHOLOGY (1965), COLLECTED PAPERS: TRANSLATED SUMMARY AND TITLES OF ARTICLES. 1965, 6p. Emm-66-147(a); AD-648 163.
Order from CFSTI or ETC: HC$3.00, MF$0.65
as AD-648 163

Abstract trans. from Unidentified mono., Peking, 1965 170p.
Contract AF 19(628)-5073.

## G. Geology and mineralogy

NCH-207 268 Field 8G

Temoin, A.
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Order from BISI: L6 10s as BISI-4705

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NCH-207 527 Field 8G, 13H

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Order from BISI: $9.80 as BISI-5022

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TT-67-30651 Field 8G

COMMUNIST CHINESE SCIENTIFIC ABSTRACTS: EARTH SCIENCES NO. 94. 23 Feb 67, 17p. JPRS-40004.
Order from CFSTI or ETC: HC$3.00, MF$0.65
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TT-67-30732 Field 8G

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Order from CFSTI or ETC: HC$3.00, MF$0.65
as TT-67-30732

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TT-67-60524 Field 8G

Balduzzi, F.; Epprecht, W.; Niggli, P.
FURTHER EXPERIMENTS FOR THE SYNTHESIS OF CRYSOTILE ASBESTOS. 1966, 16p (some figs omitted) 4refs.
Order from CFSTI or ETC: HC$3.00, MF$0.65
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TT-67-60976 Field 8G

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THE LOGGING OF THE MAGNETIC SUSCEPTIBILITY OF WEAKLY MAGNETIC ROCKS (Karottazh Magnitnoi Vospriimchivosti v Usloviyakh Slabomagnitnykh Porod). Tr. by Ivan Mittin. 1966, 30p, 4refs.
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as TT-67-60976

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TT-67-61230 Field 8G, 8I

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Order from CFSTI or ETC: HC$3.00, MF$0.65
as AD-648 160

Abstract trans. of Ti Ch'iu Wu Li Hsueh Pao (Chinese People's Republic) v15 n1 82p 1966.
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TT-67-61274 Field 8G

Saks, V. N.
QUATERNARY PERIOD IN THE SOVIET ARCTIC (Chetvertichnyi Period v Sovetskoi Arktike). Tr. by M. Slessers. 1967, 27p. NOO-Trans-338; AD-648 561
Order from CFSTI or ETC: $3.00, MF$0.65
as AD-648 561

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## H. Hydrology and limnology

NCH-207 247 Field 8H

Kuchment, L. S.
A GENERALIZED FORMULA FOR THE CALCULATION OF A DISCHARGE HYDROGRAPH (Obobshchonnaya Formula dlya Rascheta Gidrografa Stoka). Sep 66, 18p, 7refs. RTS-3355.
Order from NLL: 20s as RTS-3355

Trans. of Tsentralnyi Institut Prognozov. Trudy (USSR) n113 p23-30 1964.

TT-67-30741 Field 8H

Fan Hsi-p'eng.
COMMUNIST CHINA: SCIENCE AND TECHNOLOGY

TRANSLATIONS NO. 370. Hydrological Factors in the Formation of Underground Water in Piedmont-Plain Arid Areas. 2 Mar 67, 11p, 20refs. JPRS-40094.
Order from CFSTI or ETC: HC$3.00, MF$0.65
as TT-67-30741

Trans. of Ti Chih Hsueh Pao (Chinese People's Republic) v42 n3 p15-24 1962.

TT-67-61145 Field 8H, 13M

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CONSTRUCTION AND ADJUSTMENT OF A UNESCO MATHEMATICAL MODEL FOR MEKONG RIVER FLOOD CONTROL (Construction et Reglage du Modele Mathematique Unesco pour le Controle des Crues du Mekong). Feb 66, 26p (foreign text included) BR-D-Trans-568.
Order from CFSTI or ETC: HC$3.00, MF$0.65
as TT-67-61145

Trans. of International Commission on Irrigation and Drainage. Report (India) n10 question 22, Jan 66.

### I. Mining engineering

NCH-207 290 Field 8I

Geier, V. G.
THEORETICAL PRINCIPLES FOR CALCULATING THE WATER JET FOR COAL BREAKING (Teoreticheskie Osnovy Raschota Struyi Vody dla Otboyki Uglia). Oct 66, 13p, 7refs. RTS-3532.
Order from NLL: 12s 6d as RTS-3532

Trans. of Ugol Ukrainy (USSR) v3 n12 5p 1959.

NCH-207 403 Field 8I, 18B, 13G

Wyszomirski, J.
NOTES ON THE DESIGN OF MINING INSTRUMENTS USING RADIOACTIVE ISOTOPES FOR THE MEASUREMENT OF HYDRAULIC STOWAGE. Aug 66. MT-582.
Order from MT: $17.25 as MT-582

Trans. of Przeglad Gorniczy (Poland) v18 n5 p287-90 1962.

TT-67-30790 Field 8I, 11F

USSR INDUSTRIAL DEVELOPMENT: METALLURGY AND MINERALS NO. 41. 7 Mar 67, 29p. JPRS-40144.
Order from CFSTI or ETC: HC$3.00, MF$0.65
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### J. Physical oceanography

TT-67-30872 Field 8J, 9C

Grigoreva, N.
UNDERWATER ELECTRONIC ROBOT BEING DEVELOPED FOR OCEAN RESEARCH. 10 Mar 67, 5p. JPRS-40226.
Order from CFSTI or ETC: HC$3.00, MF$0.65
as TT-67-30872

Trans. from Ekonomicheskaya Gazeta (USSR) n7 p16 1967.

### M. Soil mechanics

TT-67-61159 Field 8M, 18D

Dmitriev, A. V.; Kogan, R. M.; Nikiforov, M. V.; Fridman, Sh. D.
DETERMINATION OF THE WATER CONTENT OF SOILS USING A GAMMA-RADIATION METHOD (Opredelenie Vlazhnosti Pochv po ikh Gamma-Izlucheniyu). Tr. by June Stevens. Aug 65, 19p (foreign text included) 5refs. BR-D-Trans-587.
Order from CFSTI or ETC: HC$3.00, MF$0.65
as TT-67-61159

Trans. of Meteorologiya i Gidrologiya (USSR) n7 p56-8 1965.

### N. Terrestrial magnetism

TT-67-30902 Field 8N

Chernov, Yu. A.
INFLUENCE OF THE EARTH'S MAGNETIC FIELD ON A BACKSCATTERED SIGNAL. 14 Mar 67, 17p, 14refs. JPRS-40256.
Order from CFSTI or ETC: HC$3.00, MF$0.65
as TT-67-30902

Trans. of Geomagnetizm i Aeronomiya (USSR) v6 n5 p881-8 1966.
For another listing of this journal see "Translated or Abstracted Publications," in TT Vol. 16, No. 4.

## 09 ELECTRONICS AND ELECTRICAL ENGINEERING

### A. Components

TT-66-27584 Field 9A

Yurenkov, V. D.; Eivin, V. I.
INCREASING THE BREAKING CAPACITY OF 35-220 kV ISOLATORS AND DISCONNECTING SWITCHES. CE-Trans-4080.
Order from CEGB as CEGB-CE.Trans.4080

Trans. of Elektricheskie Stantsii (USSR) v35 n5 p46-53 1964.

TT-66-27585 Field 9A

Lint, G. E.; Rindzyunskii, E. M.
EMERGENCY EQUIPMENT IN CASE OF FAILURE OF 110-500 kV CIRCUIT BREAKERS. CE-Trans-3784.
Order from CEGB as CEGB-CE-Trans.3784

Trans. of Elektricheskie Stantsii (USSR) v35 n3 p67-9 1964.

TT-66-27590 Field 9A, 9E, 20C

Zydanowicz, J.; Stefankiewicz, Z.
A HIGH SPEED BRIDGE-IMPULSE IMPEDANCE RELAY FOR THE DISTANCE PROTECTION OF HIGH TENSION NETWORKS. CE-Trans-4014.
Order from CEGB as CEGB-CE.Trans.4014

Trans. of Przeglad Elektrotechniczny (Poland) v41 n2 p49-53 1965.

TT-66-27591 Field 9A, 20C

Wroblewski, J.
SINGLE-ELEMENT 3-PHASE (SOLID-STATE) IMPEDANCE RELAYS FOR DEALING WITH ALL TYPES OF SHORT-CIRCUIT FAULTS. CE-Trans-3964.
Order from CEGB as CEGB-CE.Trans.3964

Trans. of Przeglad Elektrotechniczny (Poland) v40 n3 p121-8 1964.

TT-66-27592 Field 9A, 9E

Raba, Ts.
REDUCING THE RESISTANCE OF EARTH ELECTRODES BY MEANS OF CLAY SUSPENSION.
CE-Trans-3805.
Order from CEGB as CEGB-CE.Trans.3805

Trans. of Promyshlennaya Energetika (USSR) v19 n2 p11-3 1964.

TT-66-27595 Field 9A, 20C

Gutman, Yu. M.
FLASHOVER VOLTAGES OF LONG INSULATOR STRINGS IN THE CASE OF SWITCHING SURGES.
CEGB-AR-Trans.130.
Order from CEGB as CEGB-AR.Trans.130

Trans. of Elektricheskie Stantsii (USSR) v35 n10 p59-64 1964.

TT-67-30818 Field 9A, 20L

Skoda, Z.
EAST EUROPEAN ELECTRONIC AND PRECISION EQUIPMENT INDUSTRIES: TRANSLATIONS NO. 7. Problems in Semi-Conductor Production in Czechoslovakia. 8 Mar 67, 17p. JPRS-40172.
Order from CFSTI or ETC: HC$3.00, MF$0.65
as TT-67-30818

Trans. of Hospodarske Noviny (Czechoslovakia) n3 p8-9 1967.

## C. Electronic and electrical engineering

NCH-206 883 Field 9C

D'Este, A.; Guerriero, R.
EFFECTS OF THE IMPURITIES PRESENT IN A ZINC ELECTROLYTE ON THE CURRENT EFFICIENCY AND A SUITABLE AUTOMATIC MEASURING APPARATUS.
4 Jan 67, 13p. ATS-12T97I.
Order from ATS: $11.00 as ATS-12T97I

Trans. of Montevecchio (sic) v16 n3-4 p1-11 1965.

TT-66-27579 Field 9C

Mogilnikov, V. S.
RUNNING-DOWN OF INDUCTION MOTORS DURING A SHORT-CIRCUIT IN THE SYSTEM.
CEGB-IB-Trans-2292.
Order from CEGB as CEGB-IB.2292

Trans. of Elektrichestvo (USSR) n11 p44-9 1954.

TT-66-27588 Field 9C

Lure, S. I.; Levitskaya, E. I.
DAMAGE INDICATION IN TESTING TRANSFORMERS FOR DYNAMIC STRENGTH. CEGB-IB-Trans-2251.
Order from CEGB as CEGB-IB.Trans.2251

Trans. of Elektrotekhnika (USSR) v35 n5 p24-6 1964.

TT-66-34264 Field 9C

COMMUNIST CHINESE SCIENTIFIC ABSTRACTS: ELECTRONICS AND ELECTRICAL ENGINEERING NO. 36. 27 Sep 66, 24p. JPRS-37836.
Order from CFSTI or ETC: HC$3.00, MF$0.65
as TT-66-34264

TT-67-30659 Field 9C

COMMUNIST CHINESE SCIENTIFIC ABSTRACTS: ELECTRONICS AND ELECTRICAL ENGINEERING NO. 59. 24 Feb 67, 19p. JPRS-40012.
Order from CFSTI or ETC: HC$3.00, MF$0.65
as TT-67-30659

Abstracts trans. of Wu Hsien Tien Chi Shu (Chinese People's Republic) n7 40p; n8 40p 1965.

TT-67-30704 Field 9C

COMMUNIST CHINESE SCIENTIFIC ABSTRACTS: ELECTRONICS AND ELECTRICAL ENGINEERING NO. 60. 28 Feb 67, 43p. JPRS-40057.
Order from CFSTI or ETC: HC$3.00, MF$0.65
as TT-67-30704

Abstract trans. of Wu Hsien Tien Chi Shu (Chinese People's Republic) n3 p1-40ff; n4 p1-40; n5 p1-40; n9 p1-40ff; n10 p1-41 1965.

TT-67-30749 Field 9C

USSR SCIENTIFIC ABSTRACTS: ELECTRONICS AND ELECTRICAL ENGINEERING NO. 61. 2 Mar 67, 108p. JPRS-40102.
Order from CFSTI or ETC: HC$3.00, MF$0.65
as TT-67-30749

TT-67-30785 Field 9C

COMMUNIST CHINESE SCIENTIFIC ABSTRACTS: ELECTRONICS AND ELECTRICAL ENGINEERING NO. 61. 6 Mar 67, 68p. JPRS-40139.
Order from CFSTI or ETC: HC$3.00, MF$0.65
as TT-67-30785

Abstract trans. of Wu Hsien Tien (Chinese People's Republic) n1 24p; n2 24p; n3 24p; n12 p24, 28 1963; n10 31p 1966.

TT-67-30792 Field 9C

COMMUNIST CHINESE SCIENTIFIC ABSTRACTS: ELECTRONICS AND ELECTRICAL ENGINEERING NO. 62. 7 Mar 67, 36p. JPRS-40146.
Order from CFSTI or ETC: HC$3.00, MF$0.65

as TT-67-30792

Abstract trans. of Wu Hsien Tien Chi Shu (Chinese People's Republic) n3 40p 1964; n11 40p; n12 44p 1965 and Hung Se Tien Kung (Chinese People's Republic) n2 39p 1966.

TT-67-30855 Field 9C

EAST EUROPEAN SCIENTIFIC ABSTRACTS: ELECTRONICS AND ELECTRICAL ENGINEERING NO. 31. 10 Mar 67, 47p. JPRS-40209.
Order from CFSTI or ETC: HC$3.00, MF$0.65
as TT-67-30855

TT-67-61165 Field 9C

Kharlamova, E. F.
DETERMINING THE FREQUENCY CHARACTERISTICS OF SYNCHRONOUS MACHINES ALONG THE AXES d AND q FROM TESTS OF DAMPING THE DIRECT CURRENT IN THE STATOR DURING CHANCE POSITIONING OF THE ROTOR (Opredelenie Chastotnykh Kharakteristik Sinkhronnykh Mashin po Osyam D i Q iz Opyta Zatukhaniya Postoyannogo Toka v Statore pri Sluchainom Polozhenii Rotora). Jun 66, 30p (foreign text included) 1ref. BR-D-Trans-621.
Order from CFSTI or ETC: HC$3.00, MF$0.65
as TT-67-61165

Trans. of mono. Elektricheskie Mashiny (Issledovaniya, Voprosy Teorii i Rascheta) Moscow/ Leningrad, 1965 p38-51.

## D. Information theory

TT-67-30731 Field 9D, 6D, 13H

CYBERNETICS IN ECONOMY AND INDUSTRY. 1 Mar 67, 22p, 3refs. JPRS-40084.
Order from CFSTI or ETC: HC$3.00, MF$0.65
as TT-67-30731

Trans. of Akademiya Nauk SSSR. Doklady, v169 n6 p1289-95 1966 and of Avtomatyka (USSR) v11 n6 p46-52 1966.

TT-67-30837 Field 9D, 9B, 6D, 13H

EAST EUROPEAN SCIENTIFIC ABSTRACTS: CYBERNETICS, COMPUTERS AND AUTOMATION TECHNOLOGY NO. 23. 9 Mar 67, 30p. JPRS-40191.
Order from CFSTI or ETC: HC$3.00, MF$0.65
as TT-67-30837

TT-67-61158 Field 9D, 12A

Rosenvasser, E. N.
REDUCING THE EQUATIONS OF A NONLINEAR CONTROL SYSTEM TO THE SIMPLEST FORM (O Privedenii Uravenii Nelineinoi Sistemy Regulirovaniya k Prosteishemu Vidu). Tr. by June Stevens. Jul 65, 21p (foreign text included) 5refs. BR-D-Trans-584.
Order from CFSTI or ETC: HC$3.00, MF$0.65
as TT-67-61158

Trans. of Avtomatika i Telemekhanika (USSR) v21 n1 p15-9 1960.
For another listing of this journal see "Translated or Abstracted Publications," in TT Vol. 16, No. 4.

## E. Subsystems

TT-66-27571 Field 9E, 9C

Stepina, J.
CALCULATION OF THE EFFECTIVE LOADING PER UNIT OF ROTOR PERIPHERY IN THE SYNCHRONOUS MACHINE UNDER RECTIFIER LOAD.
CE-Trans-3838.
Order from CEGB as CEGB-CE.Trans.3838

Trans. of Acta Technica (Czechoslovakia) n3 p255-80 1964.

TT-66-27587 Field 9E

Bolotin, V. V.; Makarov, B. P.; Kuranov, B. A.
STRENGTH AND RIGIDITY OF INNER TRANSFORMER WINDINGS. CEGB-IB-Trans-2214.
Order from CEGB as CEGB-IB.2214

Trans. of Elektrichestvo (USSR) n4 p54-8 1964.
For another listing of this journal see "Translated or Abstracted Publications," in TT Vol. 16, No. 4.

TT-66-27589 Field 9E

Melnikov, M. F.; Semenov, V. A.
DISTANCE PROTECTION IN NETWORKS WITH SERIES CAPACITOR COMPENSATION. CEGB-BPA.
Order from CEGB as CEGB-BPA

Trans. of Elektricheskie Stantsii (USSR) v35 n4 p74-6 1964.

# 10 ENERGY CONVERSION (NON-PROPULSIVE)

## A. Conversion techniques

TT-66-27517 Field 10A, 13A

Goreshnik, A. D.; Rtishchev, S. P.; Yakovlev, G. G.; Falkovskii, S. V.
BLOW-THROUGH OF THE STEAM-PIPES OF A 300 MW UNIT. CE-Trans-4185.
Order from CEGB as CEGB-CE.Trans.4185

Trans. of Elektricheskie Stantsii (USSR) v36 n5 p11-5 1965.

TT-66-27578 Field 10A

Ihara, M.; Arimori, T.
ELECTROMOTIVE FORCE OF SILICATE-MELT CONCENTRATION CELLS WITH SEMIPERMEABLE BRIDGE.
CE-Trans-3513.
Order from CEGB as CEGB-CE.Trans.3513

Trans. of Yogyo Kyokaishi (Japan) v70 p253-7 1962.

TT-66-34262 Field 10A

USSR INDUSTRIAL DEVELOPMENT: ELECTRIC POWER, POWER MACHINERY, AND ELECTRICAL EQUIPMENT NO. 18. 27 Sep 66, 20p. JPRS-37834.
Order from CFSTI or ETC: HC$3.00, MF$0.65
as TT-66-34262

TT-67-30811 Field 10A

Shanin, V. P.
USSR INDUSTRIAL DEVELOPMENT: ELECTRIC POWER, POWER MACHINERY, AND ELECTRICAL EQUIPMENT NO. 42. 7 Mar 67, 7p. JPRS-40165.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as TT-67-30811

TT-67-61156 Field 10A, 13K, 13G

Smirnov, M. I.
SIZE DETERMINATION FOR VACUUM-BREAKING VALVES IN HYDRAULIC TURBINES (Opredelenie Razmerov Klapanov Sryva Vakuuma v Gidroturbinakh). Tr. by Anne W. Sands. Jul 66, 28p (foreign text included) 2refs. BR-D-Trans-636.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as TT-67-61156

Trans. of Energomashinostroenie (USSR) v11 n3 p39-41 1965.

TT-67-61166 Field 10A

Bronovskii, G. A.; Galperin, M. I.
SOME SPECIAL FEATURES IN THE MANUFACTURE OF TURBINES FOR THE KRASNOYARSK HYDROELECTRIC POWERPLANT (Nekotorye Osobennosti Proizvodstva Turbin dlya Krasnoyarskoe GES). Tr. by Anne W. Sands. Jun 66, 29p (foreign text included) 3refs. BR-D-Trans-628.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as TT-67-61166

Trans. of Energomashinostroenie (USSR) v11 n3 p32-4 1965.

TT-67-61168 Field 10A, 13G

Shchegolev, G. S.
DEVELOPMENT OF HYDRAULIC TURBINE CONSTRUCTION AT THE LENINGRAD METALWORKS DURING THE LAST 40 YEARS AND ITS PROBLEMS IN THE NEAR FUTURE (Razvitie Gidroturbostroeniya na LMZ im. XXII Sezda KPSS za 40 Let i Blizhaishie Zadachi). Tr. by Anne W. Sands. Jun 66, 21p (foreign text included). BR-D-Trans-632.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as TT-67-61168

Trans. of Energomashinostroenie (USSR) v11 n3 p1-3 1965.

### B. Power sources

TT-67-30804 Field 10B, 9E

Ufaev, M. Ya.; Nemov, A. P.; Ostrovskii, Ya. M.; Safrazbekyan, G. S.
DEVELOPMENT OF THE MOSENERGO HIGH-VOLTAGE OVERHEAD ELECTRIC POWER NETWORK. 7 Mar 67, 80p. JPRS-40158.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as TT-67-30804

Trans. of mono. Mosenergo za 40 Let, Moscow/Leningrad, 1958 p205-52.
40 Years of the Moscow Regional Power System Administration.

TT-67-61144 Field 10B, 2C, 8H

Lecornu, J.; Pfaff, A.
JOINT USE OF CERTAIN PYRENEAN RESERVOIRS FOR POWER GENERATION AND IRRIGATION (L'Utilisation mixte de Certains Reservoirs Pyreneens a la Production d'Energie et aux Irrigations). Feb 66, 52p (foreign text included). BR-D-Trans-569.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as TT-67-61144

Trans. of International Commission on Irrigation and Drainage. Rept. (India) n11 question 22, Jan 66.

TT-67-61150 Field 10B

Krachkovskii, N. N.
CHARACTERISTICS OF HIGH-VOLTAGE TUNED A. C. POWER TRANSMISSION: COMMENT ON THE PAPER BY YU. I. LYSKOV AND N. N. SOKOLOV (Po Povodu Stati Yu. I. Lyskova i N. N. Sokolova "Kharakteristiki Moshynkh Nastroennykh Elektroperedach Peremennogo Toka"). Jan 65, 10p (foreign text included) 4refs. BR-D-Trans-546.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as TT-67-61150

Trans. of Elektricheskie Stantsii (USSR) v35 n6 p91-2 1964.

TT-67-61162 Field 10B, 18B

Volokhov, V. A.
EXPERIENCE UTILIZING RADIOACTIVE ISOTOPES FOR MEASURING DISCHARGE OF WATER IN PRESSURE CONDUITS IN HYDROELECTRIC POWERPLANTS (Opyt Ispolzovaniya Radioaktivnykh Isotopov dlya Izmereniya Raskhodov Vody v Napornom Truboprovode Gidroelektrostantsii). Tr. by Enos J. Carlson. Jan 66, 15p (foreign text included) 3refs. BR-D-Trans-598.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as TT-67-61162

Trans. of Gidroteknicheskoe Stroitelstvo (USSR) n9 p38-40 1965.

## 11 MATERIALS

### A. Adhesives and seals

NCH-206 824 Field 11A

Zalikin, A. A.; Davydov, A. B.; Strepikheev, Yu. A.; Ivanova, Z. G.
USE OF PLYCYCLIC POLYISOCYANATES AS COMPONENTS OF COLD-CURING ADHESIVE COMPOSITIONS. 30 Dec 66, 5p. ATS-55T96R.
Order from ATS: $7.15 as ATS-55T96R

Trans. of Plasticheskie Massy (USSR) n6 p46-8 1966.
For another listing of this journal see "Translated or Abstracted Publications," in TT Vol. 16, No. 4.

### B. Ceramics, refractories and glasses

NCH-207 148 Field 11B, 21D

Buschmann, H.
NATURAL GAS IN THE GLASS INDUSTRY. Sep 66. BGIRA-668.
Order from BGIRA as BGIRA-668

Trans. of Unidentified mono., n.p., n.d.

NCH-207 302 Field 11B

Schoenbrunn, G.
THE INTERNAL PRESSURE STRENGTH OF GLASS BOTTLES UNDER LONG-TERM AND SHORT-TERM STRESS. Oct 66. BGIRA-670.
Order from BGIRA as BGIRA-670

Trans. of Glastechnische Berichte (West Germany) v38 n8 p329-33 1965.

NCH-207 305 Field 11B

Trier, W.
RELATIONSHIP BETWEEN TEMPERATURE FIELD AND FLOW FIELD IN THE CASE OF FREE CONVECTION IN GLASS MELTS. 30 Apr 66. BGIRA-661.
Order from BGIRA as BGIRA-661

Trans. of Glastechnische Berichte (West Germany) v38 n7 p282-92 1965.

NCH-207 306 Field 11B

Biedron, M.
INTENSIFICATION OF GLASS MELTING IN POT FURNACES. 30 Apr 66. BGIRA-662.
Order from BGIRA as BGIRA-662

Trans. of Szklo i Ceramika (Poland) v16 n9 p241-3 1965.

NCH-207 307 Field 11B, 13H, 13A

Habrat, J.
THE INTENSIFICATION OF THE MELTING PROCESS IN POT FURNACES. PART II. 30 Apr 66. BGIRA-663.
Order from BGIRA as BGIRA-663

Trans. of Szklo i Ceramika (Poland) v16 n10 p277-80 1965.

NCH-207 308 Field 11B

Konopicky, K.; Routschka, G.
OBSERVATIONS ON THE SILICA CROWN OF A GLASS TANK: BRICKS OF VARYING SURFACE FORMATION ON THE HOT SIDE. Mar 66. BGIRA-659.
Order from BGIRA as BGIRA-659

Trans. of Glastechnische Berichte (West Germany) v38 n11 p450-7 1965.

NCH-207 309 Field 11B

Miyoshi, S.; Miura, T.
STUDY ON THE WIND RESISTANCE OF GLASS PANELS. PART 2. BREAKING TESTS OF LARGE GLASS PANELS BY MEANS OF OSCILLATORY PRESSURE. Mar 66. BGIRA-660.
Order from BGIRA as BGIRA-660

Trans. of Asahi Garasu Kenkyu Hokoku (Japan) v14 n2 p82-92 1964.

NCH-207 310 Field 11B

Trier, W.; Stein, A.
SIMPLIFIED MODEL FOR CALCULATING THE HEAT EXCHANGE BY RADIATION BETWEEN THE FLAME AND GIVEN POINTS ON THE GLASS SURFACE IN A GLASS MELTING TANK FURNACE. Feb 66. BGIRA-654.
Order from BGIRA as BGIRA-654

Trans. of Glastechnische Berichte (West Germany) v38 n9 p353-61 1965.

NCH-207 311 Field 11B

Andrusieczko, A.
THE USE OF ELECTRICAL ENERGY FOR GLASS MELTING. Feb 66. BGIRA-655.
Order from BGIRA as BGIRA-655

Trans. of Szklo i Ceramika (Poland) v16 n7 p184-90 1965.

NCH-207 312 Field 11B

Zagar, L.; Horina, K. H.
INVESTIGATION OF THE PHYSICOCHEMICAL PROCESSES IN THE LEACHING OF SODA-LIME GLASSES BY WATER. Feb 66. BGIRA-656.
Order from BGIRA as BGIRA-656

Trans. of Glastechnische Berichte (West Germany) v37 n5 p235-45 1964.

NCH-207 313 Field 11B

Andrusieczko, A.
SOME PROBLEMS IN THE ELECTRICAL MELTING AND BOOSTING OF GLASS. Feb 66. BGIRA-657.
Order from BGIRA as BGIRA-657

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NCH-207 314 Field 11B

Schulte, K.
THE CORROSION OF MAGNESITE CHECKER BRICKS BY ALKALI SULPHATES AND $SO_3$. Feb 66. BGIRA-658.
Order from BGIRA as BGIRA-658

Trans. of Glastechnische Berichte (West Germany) v38 n11 p457-61 1965.

NCH-207 322 Field 11B

Amfiteatrova, T. A.; Surikov, I. V.; Stepanova, E. S.
USE OF A ROTARY VISCOMETER FOR THE EVALUATION OF THE RHEOLOGICAL CHARACTERISTICS OF PAINTS. Jun 66. TTIS-NS-575.
Order from TTIS: $12.50 as NS-575

Trans. of Lakokrasochnye Materialy i Ikh Primenenie (USSR) n1 p54-5 1964.

NCH-207 528 Field 11B, 13H

Send, A.; Engel, K.
PROPERTIES, TYPE OF CONSTRUCTION AND LIFE OF THE REFRACTORY LININGS OF BLAST FURNACES. 10 Feb 67. BISI-5024.
Order from BISI: $19.60 as BISI-5024

Trans. of Stahl und Eisen (West Germany) v86 p449-57 1966.

TT-67-61266 Field 11B

Shumitskaya, L. F.; Goldfarb, M. L.; Tuzova, V. K.
CLASS IMMUNE TO FUMES TO ALKALI METALS (Steklo Ustoichivoe k Param Shchelochnych Metallov). Mar 67, 4p. AERDL-T-1896-67; AD-648 405.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as AD-648 405

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For another listing of this journal see "Translated or Abstracted Publications," in TT Vol. 16, No. 4.
Contract DA-44-009-AMC-1563(T).

## C. Coatings, colorants and finishes

NCH-207 317 Field 11C

Kaesmacher, H.
EFFECT OF VARIOUS FACTORS ON THE CHEMICAL RESISTANCE OF TWO COMPONENT EPOXY FINISHES CONTAINING SOLVENT. Jun 66. TTIS-NS-570.
Order from TTIS: $60.00 as NS-570

Trans. of Farbe und Lack (West Germany) v71 p557-61 1965.

NCH-207 319 Field 11C

Chupeev, M. A.; Trapeznikov, A. A.
INSTRUMENT FOR THE EVALUATION OF THE STABILITY CHARACTERISTICS OF PAINT PASTES AND ITS USE FOR THE INVESTIGATION OF THE PROCESS OF DISPERSION. Jun 66. TTIS-NS-572.
Order from TTIS: $12.00 as NS-572

Trans. of Lakokrasochnye Materialy i Ikh Primenenie (USSR) n1 p67-71 1961.

NCH-207 320 Field 11C, 11B

Bodnya, M. D.; Kireeva, V. V.; Baranovskaya, G. M.; Semiletkova, I. N.
GRINDING OF ZINC OXIDE PIGMENTS IN A BALL MILL AND IN A SOLVENT MEDIUM. Jun 66. TTIS-NS-573.
Order from TTIS: $23.00 as NS-573

Trans. of Lakokrasochnye Materialy i Ikh Primenenie (USSR) n3 p62-3 1961.

NCH-207 321 Field 11C, 11G, 11B

Trapeznikov, A. A.; Chupeev, M. A.
INFLUENCE OF SURFACE ACTIVE COMPOUNDS ON THE CHARACTERISTICS OF PAINT SYSTEMS. Jun 66. TTIS-NS-574.
Order from TTIS: $45.00 as NS-574

Trans. of Lakokrasochnye Materialy i Ikh Primenenie (USSR) n5 p17-24 1962.

NCH-207 323 Field 11C

Rymov, A. I.; Shklover, D. A.
PHOTOELECTRIC INSTRUMENTS FOR MEASURING THE COLOUR OF PAINT MATERIALS. Jun 66. TTIS-NS-576.
Order from TTIS: $27.00 as NS-576

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NCH-207 325 Field 11C

Mazurkevich, Ya. S.
DETERMINATION OF THE PHOTOCHEMICAL ACTIVITY OF PIGMENTS. Jun 66. TTIS-NS-578.
Order from TTIS: $15.00 as NS-578

Trans. of Lakokrasochnye Materialy i Ikh Primenenie (USSR) n5 p63-5 1965.

NCH-207 326 Field 11C

Ermolaeva, T. A.; Bogatyrev, P. M.; Anufrieva, N. S.
USE OF PEROVSKITE AND TITANITE CONCENTRATES AS PIGMENTS. Jun 66. TTIS-NS-579.
Order from TTIS: $21.00 as NS-579

Trans. of Lakokrasochnye Materialy i Ikh Primenenie (USSR) n6 p11-3 1965.

NCH-207 365 Field 11C

Kenji, U.; Takahashi, S.
THE ADHERENCE OF AMINO ALKYD RESIN FILMS. 11 Oct 66, 14p. IICH-9101.
Order from IICH: $13.50 as IICH-9101

Trans. of Farbe und Lack (West Germany) v72 p742-6 1966.

## E. Fibers and textiles

NCH-207 083 Field 11E

EFFECT OF SMALL QUANTITIES OF ZINC ON THE PROCESS OF REGENERATION IN VISCOSE SPINNING. 1966, 5p. TC-2482.
Order from TC: $7.50 as TC-2482

Trans. of Svensk Pappers-tidning, v68 n5 p166-7 1965.

NCH-207 357 Field 11E, 11C

Kuroki, N.; Konishi, K.
DYES FOR POLYOLEFIN FIBERS. 20 Nov 66, 31p, 68refs. SA-KKZ-67-11-17.
Order from SA: $31.00 as SA-KKZ-67-11-17

Trans. of Kogyo Kagaku Zasshi (Japan) v67 n1 p11-7 1964.

NCH-207 359 Field 11E

Maruyama, T.; Kuroki, N.; Konishi, K.
THE STUDIES ON FLUORESCENT BRIGHTENING AGENTS FOR SYNTHETIC FIBERS. 4. FLUORESCENT BRIGHTENING AGENTS OF THE BIS(BENZOXAZOLYL) ETHYLENE SERIES CONTAINING SUBSTITUTED AMINOMETHYL GROUP. 20 Nov 66, 24p, 4refs. SA-KKZ-67-155-159.
Order from SA: $25.00 as SA-KKZ-67-155-159

Trans. of Kogyo Kagaku Zasshi (Japan) v67 n1 p155-9 1964.

NCH-207 360 Field 11E

Maruyama, T.; Araki, I.; Kuroki, N.; Konishi, K.
THE STUDIES ON FLUORESCENT BRIGHTENING AGENTS FOR SYNTHETIC FIBERS. 5. FLUORESCENT BRIGHTENING AGENTS OF THE BIS(BENZOXAZOLYL) ETHYLENE SERIES CONTAINING N-SUBSTITUTED AMINOETHYLSULFAMOYL GROUPS. 20 Nov 66, 22p, 7refs.
SA-KKZ-67-159-163.
Order from SA: $25.00 as SA-KKZ-67-159-163

Trans. of Kogyo Kagaku Zasshi (Japan) v67 n1 p159-63 1964.

TT-65-50373 Field 11E, 14B

Zaucha, J.
AN EVALUATION OF THE PRINCIPAL METHODS OF CONSERVATION OF FISHING GEAR RESULTS OF EXPERIMENTS (Ocena Wartosci Zasadniczych Metod Konserwacji Sieci na Podstawie Badan Wlasnych). 1967, 34p, 18refs. SFCSI-Comm(TT-65-50373).
Order from CFSTI: $3.00 as TT-65-50373

Trans. of Morski Instytut Rybacki. Prace (Poland) n10/B p17-50 1960.

TT-67-30694 Field 11E

Pelevina, V. M.
NEWS OF THE TEXTILE INDUSTRY IN THE USSR. 27 Feb 67, 17p. JPRS-40047.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as TT-67-30694

Trans. of Tekstilnaya Promyshlennost (USSR) n8 4p; n11 p3-7 1966.

## F. Metallurgy and metallography

NCH-206 820 Field 11F

Bishop, R. J.; Samms, J. A. C.
CORROSION OF AUSTENITIC SUPERHEATER STEELS BY ALKALI SULFATE AND ALKALI CHLORIDE MIXTURES IN AIR AND IN COMBUSTION GASES. 30 Dec 66, 18p. ATS-91T96G.
Order from ATS: $21.75 as ATS-91T96G

Trans. of Werkstoffe und Korrosion (West Germany) v17 n3 p197-207 1966.

NCH-206 865 Field 11F

Wefers, K.
THE QUESTION OF ALKALI CONTENT IN TECHNICAL ALUMINUM HYDROXIDE. 4 Jan 67, 8p. ATS-07T97G.
Order from ATS: $12.85 as ATS-07T97G

Trans. of Zeitschrift fuer Erzbergbau und Metallhuettenwesen (West Germany) v18 n9 p459-63 1965.

NCH-207 269 Field 11F

Resch, G.
RECENT STUDIES OF THE CORROSION OF IRON BY OXYGEN. 2 Jun 66. BISI-4709.
Order from BISI: L10 as BISI-4709

Trans. of Vereinigung der Grosskesselbesitzer. Mitteilungen (West Germany) Aug p228-40 1965.

NCH-207 273 Field 11F, 7D

Schmalzried, H.
THE TRANSPORT OF IONS AND ELECTRONS IN BINARY OXIDES AND ITS INVESTIGATION BY MEANS OF EMF MEASUREMENTS. 2 Jun 66. BISI-4784.
Order from BISI: L4 as BISI-4784

Trans. of Zeitschrift fuer Physikalische Chemie, Frankfurt (West Germany) v38 Jul p87-102 1963.

NCH-207 275 Field 11F, 7D

Jurczyk, J.
THE DETERMINATION OF ALUMINUM IN THE IRON AND STEEL INDUSTRY. BENZOATE METHOD COMBINED WITH CHELOMETRIC TITRATION. 2 Jun 66. BISI-4811.
Order from BISI: L3 10s as BISI-4811

Trans. of Zeitschrift fuer Analytische Chemie (West Germany) v210 n5 p324-34 1965.

NCH-207 294 Field 11F

Michel, A. H.; Papier, J.
CONTRIBUTION TO THE STUDY OF TRANSFORMATIONS CAUSED BY TEMPERING HIGHSPEED STEEL. 16 Jun 66. BISI-4767.
Order from BISI: L8 10s as BISI-4767

Trans. of Revue de Metallurgie (France) v51 p425-39 1954.

NCH-207 299 Field 11F, 13H

Lassota, K.
THE STRUCTURE OF AN 18-4-1 HIGH SPEED STEEL INGOT. 16 Jun 66. BISI-4498.
Order from BISI: L7 10s as BISI-4498

Trans. of Revue de Metallurgie (France) v62 p575-86 1965.

NCH-207 363 Field 11F

Sedzimir, J.; Zembura, Z.; Ziolkowska, W.
KINETICS OF THE CORROSION OF IRON PROCEEDING WITH HYDROGEN OF OXYGEN DEPOLARIZATION. 11 Oct 66, 35p. IICH-9099.
Order from IICH: $35.00 as IICH-9099

Trans. of Werkstoffe und Korrosion (West Germany) v17 p556-67 1966.

NCH-207 367 Field 11F

Rosenkranz, W.
DEVELOPMENT OF AN EXTREMELY STRONG ALLOY BASED ON AlZnMg AND RESISTANT TO STRESS CORROSION, PART I. 11 Oct 66, 20p. IICH-9106.
Order from IICH: $20.00 as IICH-9106

Trans. of Aluminium (West Germany) v39 p290-7 1963.

NCH-207 377 Field 11F, 20K, 13H

Hisatune, C.; Hashimoto, K.
A NEW METHOD OF ABRASIVE WEAR TESTING OF

METALS. 1966. BCIRA-1151.
Order from BCIRA as BCIRA-1151

Trans. of Imono (Japan) v35 p758-64 1963: v36 p11-6 1961.

NCH-207 392 Field 11F, 13H

Fot, E.
GRAPHITIC CORROSION OF CAST IRON. 1966. BCIRA-1196.
Order from BCIRA as BCIRA-1196

Trans. of Schweizer Archiv fuer Angewandte Wissenschaft und Technik, v30 p329-44; p384-98 1964.

NCH-207 400 Field 11F

Hrivnak, I.
ALUMINIUM NITRIDES IN LOW-CARBON, LOW-ALLOY STEEL 13 030 M. Aug 66. MT-571.
Order from MT: $6.00 as MT-571

Trans. of Kovove Materialy (Czechoslovakia) v3 n4 p373-5 1965.

NCH-207 401 Field 11F, 7B

Lobl, K.; Tuma, H.
DISTRIBUTION OF CARBON BETWEEN THE SOLID SOLUTION AND CARBIDES IN Cr18Ni9Ti TYPE STEELS. Aug 66. MT-572.
Order from MT: $6.00 as MT-572

Trans. of Kovove Materialy (Czechoslovakia) v3 n4 p377-9 1965.

NCH-207 402 Field 11F, 20K

Slesar, M.
THE FRACTURE MECHANISM OF LOW-CARBON STEELS. Aug 66. MT-574.
Order from MT: $26.35 as MT-574

Trans. of Kovove Materialy (Czechoslovakia) v3 n4 p394-405 1965.

NCH-207 405 Field 11F, 7C

Filippova, N. A.; Korosteleva, V. A.
DISSOLUTION OF LEAD MINERALS IN CERTAIN ORGANIC ACIDS. Aug 66. MT-588.
Order from MT: $22.50 as MT-588

Trans. of Gosudarstvennyi Nauchno-Issledovatelskii Institut Tsvetnykh Metallov. Sbornik Nauchnykh Trudov (USSR) v18 p127-38 1961.

NCH-207 406 Field 11F

Smirnov, M. P.; Strelnikova, L. N.
CONTINUOUS DECOPPERING OF LEAD. Aug 66. MT-590.
Order from MT: $36.50 as MT-590

Trans. of Gosudarstvennyi Nauchno-Issledovatelskii Institut Tsvetnykh Metallov. Sbornik Nauchnykh Trudov (USSR) v18 p199-215 1961.

NCH-207 414 Field 11F, 20K

Komarek, V.; Jonas, O.
A NEW MULTI-SPECIMEN CREEP TEST MACHINE. Aug 66. MT-639.
Order from MT: $19.00 as MT-639

Trans. of Strojirenstvi (Czechoslovakia) v15 n11 p839-43 1965.

NCH-207 415 Field 11F

Tousek, J.; Cihal, V.; Prazak, M.
PITTING OF CHROMIUM-NICKEL STEELS MODIFIED WITH MOLYBDENUM. Aug 66. MT-646.
Order from MT: $17.00 as MT-646

Trans. of Kovove Materialy (Czechoslovakia) v3 n5 p421-8 1965.

NCH-207 416 Field 11F

Hyspecka, L.
A STUDY OF THE EFFECT OF METALLURGICAL FACTORS ON THE STRENGTH PROPERTIES OF Cr-Ni-Mo STRUCTURAL STEELS AFTER THERMO-MECHANICAL TREATMENT. Aug 66. MT-648.
Order from MT: $28.50 as MT-648

Trans. of Kovove Materialy (Czechoslovakia) v3 n5 p448-59 1965.

NCH-207 417 Field 11F

Pluhar, J.
THE STRUCTURAL STABILITY OF AUSTENITIC MANGANESE STEELS. Aug 66. MT-654.
Order from MT: $46.50 as MT-654

Trans. of Kovove Materialy (Czechoslovakia) v3 n6 p526-45 1965.

NCH-207 422 Field 11F, 13F

Motloch, Z.; Horejs, S.
PROPERTIES OF RAILS FROM VACUUM DEGASSED STEEL. Aug 66. MT-598.
Order from MT: $21.50 as MT-598

Trans. of Hutnicke Listy (Czechoslovakia) v20 n8 p558-62 1965.

NCH-207 521 Field 11F

Holec, G.; Koch, W.
ISOLATION AND INVESTIGATION OF OXIDE INCLUSIONS IN RIMMING AND PARTLY KILLED STEEL. 10 Feb 67. BISI-4915.
Order from BISI: $19.60 as BISI-4915

Trans. of Archiv fuer das Eisenhuettenwesen (West Germany) v37 p133-43 1966.

NCH-207 522 Field 11F, 13H, 20K

Buch, A.
THE RELATION BETWEEN STEEL PURITY, THE TRANSVERSE TENSILE TEST CHARACTERISTICS AND THE ANISOTROPY OF THE FATIGUE

STRENGTH. 5 Nov 66. BISI-4922.
Order from BISI: $8.40 as BISI-4922

Trans. of Materialpruefung (West Germany) v7 p1-5 1965.

NCH-207 523 Field 11F

Schenck, H.
COMPLEMENTARY DERIVATIONS TO THE CONVERSION OF REACTANTS BETWEEN SLAG AND METAL WITH PERMANENTLY AND TRANSIENTLY CONTACTED PHASES. 10 Feb 67. BISI-4929.
Order from BISI: $11.20 as BISI-4929

Trans. of Archiv fuer das Eisenhuettenwesen (West Germany) v37 p13-9 1966.

NCH-207 531 Field 11F, 13H

Schwiete, H. E.
DEFINITIONS OF FOAMY AND POROUS BLAST FURNACE SLAGS ON THE BASIS OF THE APPARENT DENSITY. 17 Feb 67. BISI-5052.
Order from BISI: $16.80 as BISI-5052

Trans. of Stahl und Eisen (West Germany) v86 p952-60 1966.

TT-66-27515 Field 11F, 10E, 7D

Akolzin, P. A.; Gerasimov, V. V.
METHOD OF INVESTIGATING CORROSION AND ELECTROCHEMICAL PROCESSES AT HIGH TEMPERATURES AND PRESSURES. CORROSION OF CONSTRUCTIONAL MATERIALS OF NUCLEAR AND CONVENTIONAL POWER PLANTS. CE-Trans-4000.
Order from CEGB as CEGB-CE.Trans.4000

Trans. of mono. Korroziya Konstruktsionnykh Materialov Yadernykh i Teplovykh Energeticheskii Ustanovok, Moscow, 1963 p66-93.

TT-66-27518 Field 11F, 13K

Tanaka, R.
CORROSION OF CONDENSER TUBES WITH POLLUTED WATER (REP.6) MECHANISM OF CORROSION BY SULFIDE ACTION. CE-Trans-4345.
Order from CEGB as CEGB-CE.Trans.4345

Trans. of Sumitomo Keikinzoku Giho (Japan) v6 n7 p152-62 1965.

TT-66-27521 Field 11F, 20K

Sokolov, V. S.
INVESTIGATION OF THE THERMAL FATIGUE OF THE STEEL EI - 612 IN THE UNIAXIAL STRESS CONDITION. CE-Trans-4055.
Order from CEGB as CEGB-CE.Trans.4055

Trans. of Energeticheskii Institut, Moscow. Trudy, n47 p225-33 1963.

TT-66-28117 Field 11F, 11B

Ooka Kaxuo.
CORROSION OF MOLYBDENUM BY MOLTEN GLASSES.
Order from ACI: $1.10

Trans. of Yogyo Kyokaishi (Japan) v72 n7 p110-3 1964.

TT-66-34272 Field 11F, 8I

USSR INDUSTRIAL DEVELOPMENT: METALLURGY AND MINERALS NO. 19. 27 Sep 66, 13p. JPRS-37844.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as TT-66-34272

TT-66-34273 Field 11F, 13H

Fridlyander, I. N.
ALUMINUM ALLOY RESEARCH IN THE USSR. 27 Sep 66, 435p, refs. JPRS-37845.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as TT-66-34273

Trans. of mono. Alyuminievye Splavy, Vyp. 4, Zharoprochnye i Vysokoprochnye Splavy, Moscow, 1966 352p. Aluminum Alloys, No. 4, Heat Resistant and High Strength Alloys.

TT-67-30777 Field 11F

IDENTIFICATION SYMBOLS FOR IRON AND STEEL, NONFERROUS METALS, AND ALLOY PRODUCTS. 6 Mar 67, 35p. JPRS-40131.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as TT-67-30777

Trans. of mono. Chung-hua Jen-min Kung-ho-kuo Kuo-chia, Peking, 1964 p1-51.
Chinese People's Republic National Standards.

TT-67-30830 Field 11F

COMMUNIST CHINESE SCIENTIFIC ABSTRACTS: MATERIALS SCIENCE AND METALLURGY NO. 17. 8 Mar 67, 11p. JPRS-40184.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as TT-67-30830

Abstract trans. of Chin Shu Hsueh Pao (Chinese People's Republic) v5 n1 p1-99 1960.

TT-67-30893 Field 11F, 13H, 11B

USSR INDUSTRIAL DEVELOPMENT: METALLURGY AND MINERALS NO. 42. 13 Mar 67, 16p. JPRS-40247.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as TT-67-30893

TT-67-60643 Field 11F, 9A

Tsikerman L. Ya.; Pritula, V. V.
ELECTRICAL SIMULATION IN THE STUDY OF UNDERGROUND CORROSION OF METAL STRUCTURES. 1966, 17p, 8refs.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as TT-67-60643

Trans. of Elektrichestvo (USSR) n2 p24-30 1966.
For another listing of this journal see "Translated or Abstracted Publications," in TT Vol. 16, No. 4.

## G. Miscellaneous materials

NCH-206 814 Field 11G

Hummel, D.
ANALYSIS OF TENSIDES, PT. 2. 30 Dec 66, 18p. ATS-05T96G.
Order from ATS: $26.40 as ATS-05T96G

Trans. of Tenside (West Germany) v1 n3 p73-80 1964.

NCH-207 324 Field 11G

Yakhnin, E. D.
PRINCIPLES OF ADSORPTION MODIFICATION AND STRUCTURIZATION OF CONCENTRATED SUSPENSIONS. Jun 66. TTIS-NS-577.
Order from TTIS: $50.00 as NS-577

Trans. of Lakokrasochnye Materialy i Ikh Primenenie (USSR) n2 p10-5 1965.

NCH-207 340 Field 11G

Noshiro, T.; Izawa, Y.; Kimura, W.
ANALYSES OF SURFACE ACTIVE AGENTS. 20. LIQUID-LIQUID EXTRACTION FOR THE DETERMINATION OF SURFACE ACTIVE AGENTS. 20 Nov 66, 20p, 18refs. SA-KKZ-66-1206-1210.
Order from SA: $22.00 as SA-KKZ-66-1206-1210

Trans. of Kogyo Kagaku Zasshi (Japan) v66 n8 p1206-10 1963.

NCH-207 341 Field 11G

Yamamoto, T.; Sumida, S.; Nanba, Y.
STUDIES ON THE SYNTHESIS AND PROPERTIES OF SURFACE ACTIVE AGENTS. 8. THE EFFECTS OF SURFACE ACTIVE AGENTS ON DEHYDROCHLORINATION OF POLYVINYL CHLORIDE. 20 Nov 66, 32p, 12refs. SA-KKZ-66-1210-1215.
Order from SA: $31.00 as SA-KKZ-66-1210-1215

Trans. of Kogyo Kagaku Zasshi (Japan) v66 n8 p1210-5 1963.

NCH-207 346 Field 11G

Usami, S.; Taketomi, N.
EFFECTS OF NONIONIC SURFACE ACTIVE AGENTS ON CITRIC ACID FERMENTATION. 20 Nov 66, 6p, 3refs. SA-KKZ-66-1403-1404.
Order from SA: $15.00 as SA-KKZ-66-1403-1404

Trans. of Kogyo Kagaku Zasshi (Japan) v66 n9 p1403-4 1963.

NCH-207 349 Field 11G

Yamamoto, T.; Suzuki, Y.; Tsunoda, K.; Nanba, Y.
STUDY ON SYNTHESIS AND PROPERTY OF SURFACE ACTIVE REAGENTS. 9. STUDIES ON ANTISTATIC AGENTS OF POLYVINYL CHLORIDE. 1. 20 Nov 66, 47p, 2refs. SA-KKZ-66-1516-1525.
Order from SA: $40.00 as SA-KKZ-66-1516-1525

Trans. of Kogyo Kagaku Zasshi (Japan) v66 n10 p1516-25 1963.

TT-66-27522 Field 11G, 6Q

Kononchuk, N. I.; Yakovlev, Yu. A.
SPECIAL FEATURES OF THE TESTING OF HEAT RESISTANT MATERIAL FOR THERMAL FATIGUE. CE-Trans-4086.
Order from CEGB as CEGB-CE.Trans.4086

Trans. of mono. Termostoikost Zharoprochov Splavov, Moscow, 1962 p142-7.

## H. Oils, lubricants, and hydraulic fluids

NCH-206 830 Field 11H

Elbadrawy, S.; Taman, A.
POSSIBILITES OF LUBRICATING OIL PRODUCTION FROM OFFSHORE BALAYIEM CRUDE OIL. 30 Dec 66, 6p. ATS-18T96G.
Order from ATS: $8.95 as ATS-18T96G

Trans. of Chemische Technik (East Germany) v18 n6 p365-7 1966.

## I. Plastics

NCH-206 819 Field 11I, 13H

Weichert, D.; Buhler, K.
STUDIES ON THE AGING OF PLASTICS. PT. 14: THE PENETRATION DEPTH OF AGING IN PLASTICS EXPOSED TO NORMAL WEATHERING. 30 Dec 66, 6p. ATS-17T96G.
Order from ATS: $8.00 as ATS-17T96G.

Trans. of Plaste und Kautschuk (East Germany) v12 n11 p664-6 1965.

NCH-207 315 Field 11I

Gregor, F.; Pavlacka, E.
THE USE OF POLYVINYL ALCOHOL AS AN EMULSIFIER IN THE PRODUCTION OF POLYVINYL ACETATE LATEXES. Jun 66. TTIS-NS-568.
Order from TTIS: $18.00 as NS-568

Trans. of Chemicky Prumysl (Czechoslovakia) v15 p36-7 1965.

NCH-207 333 Field 11I

Fukawa, Y.; Nakano, A.; Asakura, T.
STUDIES ON THE GELATION OF THE POLYVINYL CHLORIDE OBTAINED BY EMULSION POLYMERIZATION BY MEANS OF PLASTOGRAPH. 20 Nov 66, 30p, 7refs. SA-KKZ-66-874-878.
Order from SA: $28.00 as SA-KKZ-66-874-878

Trans. of Kogyo Kagaku Zasshi (Japan) v66 n6 p874-8 1963.

NCH-207 334 Field 11I

Fugawa, K.; Matsui, M.; Takadono, S.
TEMPERATURE-DEPENDENCY OF INFRARED SPECTRA OF POLYVINYL CHLORIDE. 20 Nov 66, 16p, 18refs. SA-KKZ-66-878-881.
Order from SA: $22.00 as SA-KKZ-66-878-881

Trans. of Kogyo Kagaku Zasshi (Japan) v66 n6 p878-81 1963.

NCH-207 351 Field 11I

Fukawa, K.; Shimakawa, H.; Asakura, T.
STUDIES ON THE GELATION AND FUSION OF THE POLYVINYL CHLORIDE OBTAINED BY EMULSION POLYMERIZATION. 20 Nov 66, 41p, 13refs.
SA-KKZ-66-1732-1739.
Order from SA: $37.00 as SA-KKZ-66-1732-1739

Trans. of Kogyo Kagaku Zasshi (Japan) v66 n11 p1732-9 1963.

NCH-207 356 Field 11I

Fukawa, K.
STUDIES ON GELATION AND FUSION OF POLYVINYL CHLORIDE PREPARED AT LOW TEMPERATURE.
20 Nov 66, 17p, 5refs. SA-KKZ-66-1920-1923.
Order from SA: $22.00 as SA-KKZ-66-1920-1923

Trans. of Kogyo Kagaku Zasshi (Japan) v66 n12 p1920-3 1963.

TT-67-61264 Field 11I

Natanson, E. M.; Khimchemko, Yu. I.; Ulberg, Z. R.
CURING OF EPOXY RESINS WITH COLLOIDAL LEAD (Otverzdenie Smol Colloidkym Svinzom). Feb 67, 10p, 8refs. AERDL-T-1893-67; AD-648 403.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as AD 648 403

Trans. of mono. Modifikatsiya Svoistv Polimerow i Polimernykh Materialov, Kiev, 1965 p119-24.

### L. Wood and paper products

NCH-207 330 Field 11L, 14E

Harazaki, Y.; Hasegawa, H.
STUDIES OF ELECTROFAX PAPERS, 7. PHOTOGRAPHIC PROPERTIES OF ELECTROFAX PAPER AND ELECTRIC PROPERTIES OF SUPPORTING BASE. 20 Nov 66, 16p, 2refs. SA-KKZ-66-662-665.
Order from SA: $22.00 as SA-KKZ-66-662-665

Trans. of Kogyo Kagaku Zasshi (Japan) v66 n5 p662-5 1963.

## 12 MATHEMATICAL SCIENCES

### A. Mathematics and statistics

TT-66-28104 Field 12A

Rempel, G. G.
METHOD OF DETERMINING POINTS OF INFLEXION OF FUNCTIONS FROM THEIR GRAPHS. Trans. by E. R. Hope. 3p. DSIS-T-467-R.
Order from ETC or SLA: $1.10 as TT-66-28104

Trans. of Geologiya i Geofizika (USSR) n5 p172-3 1966.

TT-67-30705 Field 12A, 20-

COMMUNIST CHINESE SCIENTIFIC ABSTRACTS: PHYSICS AND MATHEMATICS NO. 96. 28 Feb 67, 19p. JPRS-40058.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as TT-67-30705

Abstract trans. of Shu Hsueh T'ung Pao (Chinese People's Republic) n4 p2-51ff 1963 and Wu Li Hsueh Pao (Chinese People's Republic) v18 n1 p1-56; n10 p491-539 1962.

TT-67-30753 Field 12A

COMMUNIST CHINESE SCIENTIFIC ABSTRACTS: PHYSICS AND MATHEMATICS NO. 97. 2 Mar 67, 19p. JPRS-40107.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as TT-67-30753

Abstract trans. of Shu Hsueh Hsueh Pao (Chinese People's Republic) v13 n1 p1-43 1963; v11 n4 p295-388 1961.

TT-67-30783 Field 12A, 20-

COMMUNIST CHINESE SCIENTIFIC ABSTRACTS: PHYSICS AND MATHEMATICS NO. 98. 6 Mar 67, 23p. JPRS-40137.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as TT-67-30783

Abstract trans. of Shu Hsueh Hsueh Pao (Chinese People's Republic) v13 n2 p145-314; n4 p485-656 1963 and Wu Li Hsueh Pao (Chinese People's Republic) v19 n5 p273-339 1963.
For another listing of Shu Hsueh Hsueh Pao (Chinese People's Republic) See TT v16 n4.

TT-67-30833 Field 12A

COMMUNIST CHINESE SCIENTIFIC ABSTRACTS: PHYSICS AND MATHEMATICS NO. 102. 8 Mar 67, 18p. JPRS-40187.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as TT-67-30833

Abstract trans. of Shu Hsueh Hsueh Pao (Chinese People's Republic) n1 p1-142 1960.
For another listing of this journal see "Translated or Abstracted Publications," in TT Vol. 16, No. 4.

TT-67-61106 Field 12A

Kadets, M. I.; Pelchinski, A.
BASIC SEQUENCES, BIORTHOGONAL SYSTEMS AND NORMALIZED SETS IN BANACH AND FRECHET SPACES (Baeksnie Posledovatelnosti, Biortogonalnie Sistemi i Normiruiushchie Mnozhestva v Prostranstvakh Banakha i Freshe). 1966, 27p, 46refs. JPRS-R-7436-D.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as TT-67-61106

Trans. of Studia Mathematica (Poland) v25 p297-323 1965.

TT-67-61237 Field 12A

Persidskaya-Bulaseva, L. K.
THE SOLUTION OF CERTAIN FUNCTIONAL EQUATIONS. Tr. by L. B. Rall. Oct 66, 17p, 3refs. MRC-TSR-667; AD-648 185.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as AD-648 185

Trans. of Akademiya Nauk Kazakhskoi SSR, Alma-Ata. Izvestiya. Seriya Fiziko-Matematicheskikh Nauk, n3 p39-44 1963.
Contracts DA-11-022-ORD-2059, DA-31-124-ARO(D)-462.

TT-67-61238 Field 12A

Gabdulhaev, B. G.
ON A DIRECT METHOD FOR THE SOLUTION OF INTEGRAL EQUATIONS. Tr. by L. B. Rall. Oct 66, 21p, 10refs. MRC-TSR-669; AD-648 186.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as AD-648 186

Trans. of Izvestiya Vysshikh Uchebnykh Zavedenii. Matematika (USSR) n3(46) p51-60 1965.
Contract DA-31-124-ARO(D)-462.

TT-67-61257 Field 12A

Petrov, N. N.
ON THE CONTINUOUS DEPENDENCE OF THE SOLUTIONS OF DIFFERENTIAL EQUATIONS ON A PARAMETER. Tr. by N. Rubinstein. 18 Nov 66, 18p, 6refs. TG-230-T504; AD-648 351.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as AD-648 351

Trans. of Leningrad Univ. Vestnik (USSR) v19 n7 Seriya Matematiki, Mekhaniki i Astronomii, n2 p29-36 1964.

TT-67-61258 Field 12A

Anishchenko, R. I.
ON A BOUNDARY-VALUE PROBLEM. Tr. by L. J. Haltschlag. 8 Dec 66, 23p, 4refs. TG-230-T507; AD-648 352.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as AD-648 352

Trans. of Sibirskii Matematicheskii Zhurnal (USSR) v5 n3 p481-92 1964.
Contract NOw-62-0604.

TT-67-61259 Field 12A

Yudanina, A. B.
NORMAL SOLVABILITY AND THE INDEX OF THE BOUNDARY-VALUE PROBLEM FOR A FIRST-ORDER ELLIPTIC SYSTEM ON AN ORIENTABLE SURFACE WITH A BOUNDARY. Tr. by L. J. Holtschlag. 17 Nov 66, 13p, 9refs. TG-230-T509; AD-648 353.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as AD-648 353

Trans. of Ukrainskii Matematicheskii Zhurnal (USSR) v16 n5 p704-9 1964.

# 13 MECHANICAL, INDUSTRIAL, CIVIL, AND MARINE ENGINEERING

## A. Air conditioning, heating, lighting and ventilating

NCH-207 303 Field 13A, 20B

Chedaille, J.
THE INJECTION OF PURE OXYGEN INTO OIL FLAMES. Oct 66. BGIRA-671.
Order from BGIRA as BGIRA-671

Trans. of Silicates Industriels (Belgium) v31 n5 p193-203 1966.

NCH-207 372 Field 13A

Todnem, O.
FURTHER DEVELOPMENTS IN CHANNEL-TYPE INDUCTION FURNACES. 1966. BCIRA-1146.
Order from BCIRA as BCIRA-1146

Trans. of International Congress on Electro-heat (no. 5) Wiesbaden, 30 Sep-10 Oct 63. Paper, (West Germany) n152 n. d.

TT-67-61056 Field 13A

Ponomarev, O. P.
THE "RUSE-MASTER" SMALL-SIZE FUEL-BURNER. Tr. by C. C. Nikiforoff. 1966, 6p (figs omitted).
Order from CFSTI or ETC: HC$3.00, MF$0.65 as TT-67-61056

Manuscript trans. of Traktory i Selkhozmashiny (USSR) v35 n8 p46 1965.

TT-67-61267 Field 13A, 13G, 13J

Kan, A. V.; Vasilev, V. K.
USE OF SCREW COMPRESSORS IN SHIP'S REFRIGERATING PLANTS (Primenenie Vintovykh Kompressorov v Sudovykh Kholodilnykh Ustanovkakh). Feb 67, 7p.
AERDL-T-1891-67; AD-648 406.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as AD-648 406

Trans. Sudostroenie (USSR) n5 p32-3 1966.
Contract DA-44-009-AMC-1563(T).

## B. Civil engineering

TT-66-51159/10 Field 13B, 18H, 13L

STAUB REINHALTUNG DER LUFT IN ENGLISH, VOL. 26, NO. 10, 1966. Hygiene Effects and Control of Dusts, Fogs, Gases, Vapors, Radioactive Particles. Tr. by D. Ben. Yaakov. 1966, 47p, refs.
SFCSI-HEW(TT-66-51159/10).
Order from CFSTI: $3.00 as TT-66-51159/10

Trans. of technical articles and patent sections from Staub (West Germany) v26 n10 1966.
For another listing of this journal see "Translated or Abstracted Publications," in TT Vol. 16, No. 4.

## C. Construction equipment, materials and supplies

TT-66-34261 Field 13C

Onufriev, I. A.; Ashimbaev, T.
USSR INDUSTRIAL DEVELOPMENT: CONSTRUCTION, CONSTRUCTION MACHINERY, AND BUILDING MATERIALS NO. 24A. 27 Sep 67, 25p. JPRS-37833.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as TT-66-34261

Trans. of Promyshlennoe Stroitelstvo (USSR) v44 n7 p2-3 1966 and Narodnoe Khozyaistvo Kazakhstana (USSR) v24 n6 p3-7, 9-13 1966.

TT-67-30772 Field 13C

USSR INDUSTRIAL DEVELOPMENT: CONSTRUCTION, CONSTRUCTION MACHINERY, AND BUILDING MATERIALS NO. 62. 6 Mar 67, 39p. JPRS-40126.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as TT-67-30772

TT-67-30782 Field 13C

COMMUNIST CHINESE SCIENTIFIC ABSTRACTS: MATERIALS SCIENCE AND METALLURGY NO. 15. 6 Mar 67, 20p. JPRS-40136.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as TT-67-30782

Abstract trans. of Chien Chu Ts'ai Liao Kung Yeh (Chinese People's Republic) n22 p3-31 1961; n4 p2-17, 19-32, 35 1965.

TT-67-30800 Field 13C

COMMUNIST CHINESE SCIENTIFIC ABSTRACTS: MATERIALS SCIENCE AND METALLURGY NO. 16. 7 Mar 67, 22p. JPRS-40154.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as TT-67-30800

Abstract trans. of Chien Chu Ts'ai Liao Kung Yeh (Chinese People's Republic) n20 p3-39 1959; n5 p2-31 1963.

TT-67-30868 Field 13C

USSR INDUSTRIAL DEVELOPMENT: CONSTRUCTION, CONSTRUCTION MACNINERY, AND BUILDING MATERIALS NO. 63. 10 Mar 67, 25p. JPRS-40222.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as TT-67-30868

TT-67-30879 Field 13C

USSR INDUSTRIAL DEVELOPMENT: CONSTRUCTION, CONSTRUCTION MACHINERY, AND BUILDING MATERIALS NO. 64. 13 Mar 67, 65p, refs. JPRS-40233.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as TT-67-30879

TT-67-61154 Field 13C, 13M

Missenard, A.
THEORETICAL AND EXPERIMENTAL RESEARCH ON THE HEAT CONDUCTIVITY OF CONCRETE (Recherches Theoriques et Experimentales sur la Conductivite Thermique des Betons). Jun 66, 60p (foreign text included) 24refs. BR-D-Trans-638.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as TT-67-61154

Trans. of Institut Technique du Batiment et des Travaux Publics, Paris. Annales (France) v18 n211/212, Serie: Beton. Beton Arme n81 p950-67 1967.

## E. Couplings, fittings, fasteners and joints

NCH-207 074 Field 13E, 9A

Tararin, S. V.; Volberg, A. A.; Afonin, V. T.; Vorobev, G. M.; Titov, M. I.
EFFECTS EXERTED BY CHANGING OF STUDS UPON AUTOMATIC REGULATION OF ELECTROLYTIC CELLS WITH LATERAL SUPPLY OF CURRENT. 1966, 8p. TC-2346.
Order from TC: $9.50 as TC-2346

Trans. of Tsvetnye Metally (USSR) v38 n11 p80-4 1965.
For another listing of this journal see "Translated or Abstracted Publications," in TT Vol. 16, No. 4.

NCH-207 426 Field 13E

Oprecht, U.
RESEARCH ON HYDRODYNAMIC COUPLINGS. 1 Nov 66. BSRA-2455.
Order from BSRA: L5 as BSRA-2455

Trans. of MTZ; Motortechnische Zeitschrift (West Germany) v16 p285 1955.

NCH-207 431 Field 13E

Rabbeno, G.
HIDDEN DANGERS IN CARDAN JOINTS USED IN THE TRANSMISSION OF MECHANICAL POWER. 19 Oct 66. BSRA-2446.
Order from BSRA: L5 as BSRA-2446

Trans. of Tecnica Italiana, n29 p35 1964.

NCH-207 432 Field 13E

Rabbeno, G.
EXPLANATORY NOTE ON DOUBLE CARDAN JOINTS FOR THE TRANSMISSION OF MECHANICAL POWER. 19 Oct 66. BSRA-2447.
Order from BSRA: L5 as BSRA-2447

Trans. of Tecnica Italiana, n30 p437 1965.

## F. Ground transportation equipment

TT-66-34259 Field 13F, 2C

Kokh, F.; Savelev, V.
USSR INDUSTRIAL DEVELOPMENT: AUTOMOTIVE AND TRACTOR INDUSTRY NO. 16. 27 Sep 66, 15p. JPRS-37831.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as TT-66-34259

Trans. from Ekonomicheskaya Gazeta (USSR) n28 p20, 26; n31 p38 1966 and Trud, Moscow (USSR) 20 Aug p1 1966

TT-67-30669 Field 13F, 17B, 11E

EAST EUROPEAN SERVICE INDUSTRIES: TRANSLATIONS NO. 500. 24 Feb 67, 25p. JPRS-40022.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as TT-67-30669

TT-67-30683 Field 13F, 2C

Gubenkov, N.; Pavlov, B.; Shpak, N.
USSR INDUSTRIAL DEVELOPMENT: AUTOMOTIVE AND TRACTOR INDUSTRY NO. 44. 27 Feb 67, 14p. JPRS-40036.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as TT-67-30683

Trans. from Ekonomicheskaya Gazeta (USSR) n1 p28; n3 p8 Jan 1967 and Pravda, Moscow (USSR) 5 Jan p2 1967.

TT-67-30766 Field 13F, 13B

Voigt, E.
EAST EUROPEAN SERVICE INDUSTRIES: TRANSLATIONS NO. 502. 3 Mar 67, 40p. JPRS-40120.

Order from CFSTI or ETC: HC$3.00, MF$0.65
as TT-67-30766

Trans. of Organisation fuer die Zusammenarbeit der Eisenbahnen. Zeitschrift (Poland) n6 p18, 22-30 1966 and Wasserwirtschaft-Wassertechnik (East Germany) n1 4p 1967.

TT-67-30786 Field 13F, 5C

COMMUNIST CHINA: ECONOMIC TRANSLATIONS NO. 24. Bus Transport Division Experiments with Alighting En Route System. 6 Mar 67, 8p. JPRS-40140.
Order from CFSTI or ETC: HC$3.00, MF$0.65
as TT-67-30786

Trans. of Ch'i Ch'e (Chinese People's Republic) n8/9 p49-50 1966.

TT-67-30809 Field 13F, 2C

USSR INDUSTRIAL DEVELOPMENT: AUTOMOTIVE AND TRACTOR INDUSTRY NO. 45. 7 Mar 67, 31p. JPRS-40163.
Order from CFSTI or ETC: HC$3.00, MF$0.65
as TT-67-30809

## G. Hydraulic and pneumatic equipment

NCH-207 418 Field 13G, 13K

Kriegel, E.; Brauer, H.
LAWS GOVERNING THE HYDRAULIC TRANSPORT OF GRANULAR-MATERIAL IN PIPELINES. Aug 66. MT-657.
Order from MT: $5.75 as MT-657

Trans. of Chemie-Ingenieur-Technik (West Germany) v37 n3 p264-5 1965.

TT-67-61141 Field 13G, 8H

Sasorov, M. P.
ROUGHNESS COEFFICIENT AND HEIGHT OF ROUGHNESS PROJECTION (Ob Opredelenii Velichin Koeffitsienta Sherokhovatosti i Vysoty Vystupa Sherokhovatosti). Tr. by Paul J. Tilp. Jun 65, 17p (foreign text included) 7refs. BR-D-Trans-527.
Order from CFSTI or ETC: HC$3.00, HC$0.65
as TT-67-61141

Trans. of Gidroteknicheskoe Stroitelstvo (USSR) n7 p35-7 1964.

TT-67-61151 Field 13G, 13M, 8K

Napetvaridze, Sh. G.
SEISMIC STABILITY OF DAM STRUCTURES (Seismotoikost Sooruzhenii Tipa Plotin). Dec 64, 36p (foreign text included). BR-D-Trans-535.
Order from CFSTI or ETC: HC$3.00, MF$0.65
as TT-67-61151

Trans. of mono. Seismostoikost Gidrotekhnicheskikh Sooruzhenii, Moscow, 1959 p84-93, 107-11.
Seismic Stability of Hydraulic Structures.

TT-67-61160 Field 13G, 13M

Popov, K. V.
HYDRAULIC STRUCTURES. CANTILEVER SPILLWAYS. Tr. by June Stevens. Aug 65, 15p (foreign text included). BR-D-Trans-588.
Order from CFSTI or ETC: HC$3.00, MF$0.65
as TT-67-61160

Trans. of mono. Gidrotekhnicheskie Sooruzheniya. Konsolnye Perepady, Moscow, 1963 p356-60.

TT-67-61263 Field 13G

Sherstyuk, A. N.; Zaichenko, E. N.; Abottin, E. V.; Kriger, V. A.
ABOUT THE INFLUENCE OF THE NUMBER OF OPERATING BLADES OF AXIALLY RADIAL COMPRESSOR UPON ITS CHARACTERISTICS (Ovliyanii Chisla Zabochikh Lopatok Osezadyalnogo Kompressora na ego Kharacteristiki). Mar 67, 17p, 3refs. AERDL-T-1897-67; AD-648 402.
Order from CFSTI or ETC: HC$3.00, MF$0.65
as AD-648 402

Trans. of Izvestiya Vysshikh Uchebnykh Zavedenii. Aviatsionnaya Tekhnika (USSR) n4 p125-32 1965.
For another listing of this journal see "Translated or Abstracted Publications," in TT Vol. 16, No. 4.
Contract DA-44-009-AMC-1563(T).

## H. Industrial processes

NCH-206 259 Field 13H, 11F

Maatsch, J.
NEW METHODS OF MONITORING AND CONTROLLING THE METALLURGICAL PROCESS IN OXYGEN STEELWORKS. 26 May 66. BISI-4687.
Order from BISI: L7 10s as BISI-4687

Trans. of International Conference on Automation in Steelmaking, Amsterdam, 29-31 Mar, Dusseldorf, 1-3 Apr 65. Paper, n.p., n.d. C-8 p10.

NCH-206 800 Field 13H, 11F

Volberg, A. A.; Adler, Yu. P.; Belyaev, A. I.
THE ELECTRICAL CONDUCTIVITY OF AN ELECTROLYTE IN RELATION TO ITS COMPOSITION AND THE METHOD OF FEEDING WITH ALUMINA IN INDUSTRIAL ALUMINUM BATHS. 20 Dec 66, 9p. ATS-46T96R.
Order from ATS: $19.75 as ATS-46T96R

Trans. of Akademiya Nauk SSSR. Izvestiya. Metally, n3 p26-33 1965.
For another listing of this journal see "Translated or Abstracted Publications," in TT Vol. 16, No. 4.

NCH-206 805 Field 13H

Gankin, V. Yu.; Gordina, V. Ya.; Krinkin, D. P.; Rudkovskii, D. M.; Trifel, A. G.
HYDROFORMYLATION IN THE GAS PHASE. 30 Dec 66, 5p. ATS-92T94R.
Order from ATS: $7.75 as ATS-92T94R

Trans. of Khimiya i Tekhnologiya Topliv i Masel (USSR) v11 n4 p8-10 1966.
For another listing of this journal see "Translated or Abstracted Publications," in TT Vol. 16, No. 4.

NCH-206 815 Field 13H

Wullhorst, B.
PRINCIPLES OF GOLD ELECTROPLATING IN CYANIDE SOLUTIONS AND THEIR PRACTICAL

APPLICATION. 30 Dec 66, 17p. ATS-81T95G.
Order from ATS: $30.75 as ATS-81T95G

Trans. of Metalloberflaeche (West Germany) v7 n4 pA49-A58 1953.

NCH-207 254 Field 13H

BLACKING RESEARCH - 7 + 8. 26 May 66. BISI-4516.
Order from BISI: L2 as BISI-4516

Trans. of Gieterij-Centrum Berichten (sic) v13 Sep-Oct p50-2, Nov-Dec p71-3 1965.

NCH-207 258 Field 13H, 11F, 13A

Sawamura, J.
STUDY OF CONSUMPTION OF CARBON AND HEAT IN THE BLAST FURNACE. I. CONSUMPTION OF CARBON AND HEAT IN THE BLAST FURNACE. II. APPLICATION OF RESULTS TO BLAST FURNACE OPERATION. 26 May 66. BISI-4652.
Order from BISI: L5 10s as BISI-4652

Trans. of Tetsu to Hagane (Japan) v45 n3 p194-7 1959.

NCH-207 260 Field 13H, 11F, 21D

Schneider, R.
CONVERSION OF A HEAT TREATMENT SHOP TO LIQUIFIED PETROLEUM GAS, II. 26 May 66. BISI-4702-II.
Order from BISI: L4 as 4702-II

Trans. of Stahl und Eisen (West Germany) v85 p1417-9 1965.

NCH-207 261 Field 13H, 11F, 21D

Reisinger, C.
CONVERSION OF A MELTING SHOP AND HOT SHEET MILL AND ALSO A FOUNDARY TO LIQUIFIED PETROLEUM GAS. III. 26 May 66. BISI-4702-III.
Order from BISI: L3 10s as BISI-4702-III

Trans. of Stahl und Eisen (West Germany) v85 p1420-3 1965.

NCH-207 262 Field 13H, 11F, 13A

Frohberg, M. G.
THE REDUCTION OF SILICA AND THE DESULPHURISATION OF CARBON SATURATED IRON UNDER BLAST FURNACE CONDITIONS. 26 May 66. BISI-4723.
Order from BISI: L5 10s as BISI-4723

Trans. of Stahl und Eisen (West Germany) v85 p77-81 1965.

NCH-207 263 Field 13H, 11F

Menzer, M.; Steinecke, V.
DETERMINATION OF CAPACITY AND COSTS ON BILLET GRINDERS BY STATISTICAL METHODS. 26 May 66. BISI-4730.
Order from BISI: L7 10s as BISI-4730

Trans. of Stahl und Eisen (West Germany) v85 p1403-12 1965.

NCH-207 264 Field 13H, 11F

Standl, R.; Valencak, M.
THE PRODUCTION OF HIGH-DUTY FORGINGS IN AUSTRIA. 26 May 66. BISI-4769.
Order from BISI: L6 10s as BISI-4769

Trans. of Stahl und Eisen (West Germany) v84 p667-73 1964.

NCH-207 265 Field 13H, 11F

Milman, B. S.; Blozhko, N. K.
THE BASIC MELTING PROCESS IN THE HOT BLAST CUPOLA. 26 May 66. BISI-4774.
Order from BISI: L5 as BISI-4774

Trans. of Giessereitechnik (East Germany) v11 n5 p143-7 1965.

NCH-207 267 Field 13H, 11F

Danthine, A.; Pirlet, R.
COMPARISON OF OPERATING RESULTS OF AN 1150 mm BLOOM MILL CONTROLLED MANUALLY AND SEMI-AUTOMATICALLY. 2 Jun 66. BISI-4693.
Order from BISI: L7 as BISI-4693

Trans. of International Conference on Automation in Steelmaking, Amsterdam, 29-31 Mar, Dusseldorf, 1-3 Apr 65. Paper, n.p., n.d. E-2.

NCH-207 270 Field 13H, 11F, 13A

Maslovskii, P. M.
THE PROBLEM OF CONTINUOUS DETERMINATION OF THE CARBON CONTENT IN THE BATH OF AN OPEN-HEARTH FURNACE. 2 Jun 66. BISI-4739.
Order from BISI: L3 10s as BISI-4739

Trans. of Izvestiya Vysshikh Uchebnykh Zavedenii. Chernaya Metallurgiya (USSR) v8 p180-4 1965.

NCH-207 271 Field 13H, 11F

Blain, P.
FORGEABILITY. 2 Jun 66. BISI-4746.
Order from BISI: L7 10s BISI-4746

Trans. of Revue de Metallurgie (France) v62 p881-90 1965.

NCH-207 272 Field 13H, 11F, 9B

Pelzer, H.; Ruth, K. A.
CONTROL OF MATERIAL FLOW AND OPTIMUM PRODUCTION CONTROL ALLOCATION OF SLABS BY USE OF AN ELECTRONIC COMPUTER. 2 Jun 66. BISI-4776.
Order from BISI: L6 10s as BISI-4776

Trans. of Stahl und Eisen (West Germany) v86 p100-6 1966.

NCH-207 277 Field 13H

Weis, W.
ANNUAL REVIEW OF MOULDING MATERIALS (2ND CONTINUATION). PART 3: TESTING METHODS,

CASTING DEFECTS PRODUCED BY MOULDING MATERIALS. 2 Jun 66. BISI-4885.
Order from BISI: L4 10s as BISI-4885

Trans. of Giesserei (West Germany) v52 p479-83 1965.

NCH-207 292 Field 13H

Prenosil, B.
STRUCTURES OF LAYERS PRODUCED BY BATH NITRIDING AND BY NITRIDING IN AMMONIA ATMOSPHERES WITH HYDROCARBON ADDITIONS. 16 Jun 66. BISI-4720.
Order from BISI: L6 as BISI-4720

Trans. of Haerterei-Technische Mitteilungen (West Germany) v20 p41-9 1965.

NCH-207 293 Field 13H

Finnern, B.
TESTING OF BATH-NITRIDED PARTS (WITH DISCUSSION). 16 Jun 66. BISI-4721.
Order from BISI: L6 as BISI-4721

Trans. of Haerterei-Technische Mitteilungen (West Germany) v20 p50-7 1965.

NCH-207 295 Field 13H

Reich, G.
MECHANICAL HANDLING IN A TUBE MILL. Jun 66. BISI-4778.
Order from BISI: L3 as BISI-4778

Trans. of Hebezeuge und Foerdermittel (East Germany) v5 p97-100 1965.

NCH-207 296 Field 13H

Ryzhikov, A. A.
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NCH-207 423 Field 13H

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NCH-207 513 Field 13H, 11F

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NCH-207 524 Field 13H, 11F

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NCH-207 526 Field 13H, 13F

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NCH-207 529 Field 13H

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TT-67-30814 Field 13H, 13A, 14B

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## I. Machinery and tools

NCH-206 257 Field 13I, 11H

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NCH-207 274 Field 13I, 11F, 13H

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NCH-207 421 Field 13I

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TT-67-61170 Field 13I, 10B

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## J. Marine engineering

NCH-207 424 Field 13J

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UNIVERSAL FORMULA FOR THE WETTED SURFACE OF A SHIP. 1 Nov 66. BSRA-2452.
Order from BSRA: L5 as BSRA-2452

Trans. of Tsentralnyy Nauchno-Issledovatelskiy Institut Sudostroyeniya. Trudy (USSR) n48 p55 1965.

NCH-207 436 Field 13J

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Order from BSRA: L5 as BSRA-2451

Trans. of Hansa (West Germany) v103 n13 p1085; n15 p1273 1966.

TT-66-34270 Field 13J, 13F

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Order from CFSTI or ETC: HC$3.00, MF$0.65 as TT-66-34270

TT-67-30687 Field 13J, 13F, 5C

EAST EUROPEAN SERVICE INDUSTRIES: TRANSLATIONS NO. 501. 27 Feb 67, 28p. JPRS-40040.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as TT-67-30687

TT-67-30725 Field 13J, 13F

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Order from CFSTI or ETC: HC$3.00, MF$0.65 as TT-67-30725

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TT-67-30889 Field 13J, 13F

USSR TRANSPORTATION: TRANSLATIONS NO. 175. 13 Mar 67, 18p. JPRS-40243.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as TT-67-30889

TT-67-61254 Field 13J

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AUTOMATIC REGULATION OF OPERATING REGIMES OF SHIPS EQUIPPED WITH CONTROLLABLE PITCH PROPELLERS. Tr. by Lloyd G. Robbins. Feb 67, 187p, 23refs. NAVSHIPS-Trans-1021; AD-648 229.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as AD-648 229

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## L. Safety engineering

NCH-207 256 Field 13L, 13B

Idelberger, K.
GUIDE RAILS - SAFETY BELTS FOR ROADS. 26 May 66. BISI-4572.
Order from BISI: L4 as BISI-4572

Trans. of Strassenbau (East Germany) v55 May p368-71 1964.

TT-67-60706 Field 13L

HIGHLIGHTS OF ACTIVITIES OF THE DORTMUND-DERNE (GERMANY) MINE EXPERIMENT STATION. Tr. by R. F. Brinkley. 1966, 6p.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as TT-67-60706

Trans. of Unidentified German mono., n.p., n.d.

## M. Structural engineering

TT-66-27036 Field 13M

Bolotin, V. V.
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Order from CEGB as CEGB-CE.Trans.4249

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TT-66-34275 Field 13M, 13J

EAST EUROPEAN SERVICE INDUSTRIES: TRANSLATIONS NO. 472. 27 Sep 66, 27p. JPRS-37847.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as TT-66-34275

TT-67-61139 Field 13M, 8K, 13L

SAFETY ANALYSIS OF THE ARCH AGAINST SIDEWISE BUCKLING. Mar 64, 58p (foreign text included) refs. BR-D-Trans-494.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as TT-67-61139

Trans. of mono. Sicherheitsnachweis fur Seitliches Ausknicken des Bogens, Berlin/Charlottenburg, n.d. 28p.

TT-67-61142 Field 13M

Baranos, E. S.; Meshcheryakov, A. N.
CONTRACTION JOINT GROUTING OF CONCRETE DAMS (Omonolichivanie Betonnykh Plotin). Tr. by Anne W. Sands. Aug 65, 24p (foreign text included). BR-D-Trans-581.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as TT-67-61142

Trans. of Gidroteknicheskoe Stroitelstvo (USSR) n12 p1-4 1964.

TT-67-61143 Field 13M, 10B, 20K

Marchuk, A. N.
A SECTION OF A GRAVITY DAM WITH POST-TENSIONED ANCHORING IN THE FOUNDATION (Sektsiya Gravitatsionnoi Plotiny s Napryazhennoi Ankerovkoi v Osnovanie). Tr. by June Stevens. Aug 65, 43p (foreign text included) 9refs. BR-D-Trans-580.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as TT-67-61143

Trans. of Gidroteknicheskoe Stroitelstvo (USSR) n6 p22-8 1964.

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CALCULATION OF UNDERGROUND PASSAGES OF CIRCULAR FORM (Calcul des Souterrains de Forme Circulaire). Jun 65, 36p (foreign text included) 5refs. BR-D-Trans-558.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as TT-67-61147

Trans. of Institut Technique du Batiment et des Travaux Publics, Paris. Annales (France) v18 n205, Seri: Theories et Methodes de Calcul n67 p141-52 1965.

TT-67-61148 Field 13M, 20K

Losaberidze, A. A.
INFLUENCE LINES OF DEFORMATION IN CIRCULAR ARCHES (Linii Vliyaniya Deformatsii Krugovykh Arok). Tr. by M. T. York. Jul 65, 15p (foreign text included) 3refs. BR-D-Trans-552.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as TT-67-61148

Trans. of Gidroteknicheskoe Stroitelstvo (USSR) n11 p25-6 1964.

TT-67-61155 Field 13M

THE REPORT OF THE RE-SURVEYING COMMITTEE ON THE FAILURE OF THE MALPASSET DAM (Le Rapport de Contre-Expertise sur la Rupture du Barrage de Malpasset). Jul 66, 29p (foreign text included). BR-D-Trans-637.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as TT-67-61155

Trans. of le Genie Civil (France) v143 n1 p14-20 1966.

TT-67-61157 Field 13M

Fanelli, M.
QUICK CHECK OF MEASUREMENTS ON ARCH DAMS (Considerazioni sul Controllo a Breve Scadenza delle Misure Esequite su Dighe a Volta). Jan 66, 61p (foreign text included). BR-D-Trans-582.
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Trans. of l'Energia Elettrica (Italy) v42 n2 p91-107 1965.

TT-67-61161 Field 13M, 20K

Stucky, J. P.
INFLUENCE OF THE MODULUS OF ELASTICITY OF THE ROCK ON THE PERFORMANCE OF ARCH DAMS OR DOME-SHAPED DAMS (Influence du Module d'Elasticite du Rocher sur le Comportement des Barrages-Voutes ou Barrages en Coupole). Apr 66, 17p (foreign text included) 1ref. BR-D-Trans-590.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as TT-67-61161

Trans. of Bulletin Technique de la Suisse Romande, v90 n19 p346-50 1964.

TT-67-61164 Field 13M

Othman, O. A.
THE HIGH DAM U.A.R. (UNITED ARAB REPUBLIC). Tr. by Samir Nuqul. Dec 65, 116p. BR-D-Trans-618.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as TT-67-61164

Trans. of Historical, Engineering, and Economic Views, Lecture, n.p., 1964.

TT-67-61167 Field 13M, 10B

Decomps, M.
THE CHASSEZAC HYDROELECTRIC PROJECT AND THE PROCESS OF ESTABLISHING THE PLANS OF THE DAMS (L'Amenagement Hydroelectrique du Chassezac et le Processus de l'Etablissement des Projets de Barrages). Aug 66, 96p (foreign text included). BR-D-Trans-631.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as TT-67-61167

Trans. of Institut Technique du Batiment et des Travaux Publics, Paris. Annales (France) v18 n215, Serie: Travaux Publics n101 p1549-73 1965.

## 14 METHODS AND EQUIPMENT

### B. Laboratories, test facilities, and test equipment

NCH-207 385 Field 14B

Stepin, V. V.
STANDARD SAMPLES AND CALIBRATION STANDARDS--A MEANS OF INCREASING THE QUALITY OF ANALYSIS.

1966. BCIRA-1182.
Order from BCIRA as BCIRA-1182

Trans. of Zavodskaya Laboratoriya (USSR) n8 p915-6 1965.
For another listing of this journal see "Translated or Abstracted Publications," in TT Vol. 16, No. 4.

TT-67-61110 Field 14B

INTERNATIONAL STANDARDS ORGANIZATION. SUBSIEVE SIZING. 1966, 8p. JPRS-R-7564-D.
Order from CFSTI or ETC: HC$3.00, MF$0.65
as TT-61110

Trans. of Sitzung des ISO/TC 24/SC 4 Korngrossenmessung ausser Siebung (no. 1), 13 May 66, Paris. Report, n.p., n.d.

TT-67-61153 Field 14B

Kivilis, S. S.; Reshetnikov, V. A.
EFFECT OF STEADY-STATE FLOW PROFILE ON THE ERRORS OF ULTRASONIC FLOWMETERS (Vliyanie Profilya Ustanovivshegosya Potoka na Pogreshnost Ultrazvukovykh Raskhodomerov). Tr. by Anne W. Sands. Jun 66, 14p (foreign text included) 4refs. BR-D-Trans-639.
Order from CFSTI or ETC: HC$3.00, MF$0.65
as TT-67-61153

Trans. of Izmeritelnaya Tekhnika (USSR) n3 p52-4 1965.
For another listing of this journal see "Translated or Abstracted Publications," in TT Vol. 16, No. 4.

### C. Recording devices

TT-67-30540 Field 14C

Korolkov, V. G.; Mednikova, I. I.; Samosskii, V. Z.
HIGH-FREQUENCY MAGNETIC RECORDING. 14 Feb 67, 14p, refs. JPRS-39892.
Order from CFSTI or ETC: HC$3.00, MF$0.65
as TT-67-30540

Trans. of Conference on Magnetic Recording (no. 2), Budapest, 1966 p146-51, 205-10.

### E. Reprography

NCH-207 078 Field 14E

Kowaliski, P.
SOME EXPERIMENTS ON THE EFFECTS OF THE FOLDING OF A FILM. 1966, 14p. TC-2498.
Order from TC: $14.50 as TC-2498

Trans. of Science et Industries Photographiques (France) v36 n6 p109-16 1965.

## 15 MILITARY SCIENCES

TT-67-30744 Field 15-

Grudinin, I.; Zimin, Y.; Svetlishin, N.; Mochalov, P.
SOVIET MILITARY TRANSLATIONS NO. 372.
2 Mar 67, 30p. JPRS-40097.
Order from CFSTI or ETC: HC$3.00, MF$0.65
as TT-67-30744

Trans. of Voenno Istoricheskii Zhurnal (USSR) n1 p3-13, 102-7, 116-20 1967.

TT-67-30841 Field 15-, 5D, 14E

SOUTH AND EAST ASIA: TRANSLATIONS NO. 147.
9 Mar 67, 15p. JPRS-40195.
Order from CFSTI or ETC: HC$3.00, MF$0.65
as TT-67-30841

Trans. from la Nouvelle Depeche (Cambodia) 28 Jan p2; 2 Feb p2; 3 Feb p2; 6 Feb p2 1967.

TT-67-30898 Field 15-, 5D, 2B

Pham Van Dong; Vu Quoc Tuan; Le Trung Dinh; Ha Huy Giap; Phan Trong Quang.
STUDIES, NO. 1, 1967. 13 Mar 67, 107p.
JPRS-40252.
Order from CFSTI or ETC: HC$3.00, MF$0.65
as TT-67-30898

Trans. of Hoc Tap (North Vietnam) n1 p3-45, 49-89 1967.

### C. Defense

TT-66-34268 Field 15C

Shatunov, G.; Khorev, A.; Dolnikov, G.; Ivanov, Yu.
SOVIET MILITARY TRANSLATIONS NO. 326. 27 Sep 66, 22p. JPRS-37840.
Order from CFSTI or ETC: HC$3.00, MF$0.65
as TT-66-34268

Trans. from Sovetskii Patriot (USSR) 14 Aug p2 1966 and Krasnaya Zvezda (USSR) 7 Aug p4; 10 Aug p2; 12 Aug p2 1966.

TT-67-30755 Field 15C

SOVIET MILITARY TRANSLATIONS NO. 373.
3 Mar 67, 21p. JPRS-40109.
Order from CFSTI or ETC: HC$3.00, MF$0.65
as TT-67-30755

TT-67-30873 Field 15C

Tsyganov, N. G.
AIR DEFENSE TROOPS. 10 Mar 67, 8p. JPRS-40227.
Order from CFSTI or ETC: HC$3.00, MF$0.65
as TT-67-30873

Trans. of mono. Voiska Protivovozdushnoi Oborony, Moscow, 1966 p2, 35-40 62.

TT-67-30876 Field 15C

Stoikov, P. G.
MILITARY INFORMATION ON EASTERN EUROPE NO. 156. Role, Tasks, Organization and Measures of Bulgarian Civil Defense. 13 Mar 67, 10p.
JPRS-40230.
Order from CFSTI or ETC: HC$3.00, MF$0.65
as TT-67-30876

Trans. of mono. Grazhdanska Otbrana, Sofia, 1966 p4-10.

### F. Nuclear warfare

TT-67-30770 Field 15F, 5K

SOVIET MILITARY TRANSLATIONS NO. 374.
6 Mar 67, 27p. JPRS-40124.
Order from CFSTI or ETC: HC$3.00, HC$0.65
as TT-67-30770

## 16 MISSILE TECHNOLOGY

### A. Missile launching and ground support

TT-67-61275 Field 16A, 22D, 10B, 13F

Gwyer, J. A., comp.
SUPPORT FACILITIES AND EQUIPMENT FOR MISSILE AND SPACE SYSTEMS. 30 Nov 66, 54p. 65refs. ATD-66-139; AD-648 593.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as AD-648 593

Compilation of abstracts based on Soviet and Satellite open sources pub. 1965-66.
Rept. on Surveys of Foreign Scientific and Technical Literature.

## 17 NAVIGATION, COMMUNICATIONS DETECTION AND COUNTERMEASURES

### B. Communications

NCH-206 629 Field 17B, 7A

Hisao Hirabayashi; Hiroo Toyoda; Hiroyuki Shibata.
ON THE MICROPHONE CARBON POWDER. 1966, 8p, 4refs. POED-Trans-2309.
Order from NLL

Trans. of Tanso (Japan) v3 p81-4 1953.

NCH-206 630 Field 17B, 7A

Hisao Hirabayashi; Hiroo Toyoda; Hiroyuki Shibata.
DETERIORATION PHENOMENA OF MICROPHONE CARBON POWDER. 1966, 20p, 8refs. POED-Trans-2298.
Order from NLL

Trans. of Denki Tsushin Kenkyusho Kenkyu Jitsuyoka Hokoku (Japan) n5 p88-98 1952.

NCH-206 631 Field 17B, 7A

Hisao Hirabayashi; Hiroo Toyoda; Hiroyuki Shibata.
THE HYGROSCOPICITY OF CARBON POWDER. 1966, 6p, 5refs. POED-Trans-2297.
Order from NLL

Trans. of Tanso (Japan) v4 n2 p55-8 1954.

NCH-206 632 Field 17B

Nieuwkerk, L. R.
REPORT ON THE SATELLITE COMMUNICATION COURSE, LONDON 1965. 1966, 5p. POED-Trans-2290.
Order from NLL

Trans. of de Ingenieur (Netherlands) v78 n18 pE62-E64 1966.

NCH-206 633 Field 17B

Trentini, G. V.; Romeiser, K. P.; Jatsch, W.
MEASUREMENT AND ELECTRICAL PERFORMANCE OF THE 25-M-AERIAL OF THE RAISTING GROUND STATION FOR SATELLITE COMMUNICATION. 1966, 46p, 18refs. POED-Trans-2277.
Order from NLL

Trans. of Frequenz (West Germany) v19 n12 p402-21 1965.

NCH-206 788 Field 17B

Egawa, S.
SIMPLIFIED CONVERGENCE METHOD FOR COLOR TELEVISION RECEIVERS. 30 Dec 66, 12p. ATS-66T96J.
Order from ATS: $16.65 as ATS-66T96J

Trans. of Terebijon (Japan) v20 n8 p545-52 1966.

NCH-206 807 Field 17B

Iwamura, S.; Sugiura, Y.
ANALYSIS OF THE TELEVISION FILM RECORDING AND TRANSMISSION SYSTEM. 30 Dec 66, 54p. ATS-21T91J.
Order from ATS: $77.75 as ATS-21T91J

Trans. of N H K Gijutsu Kenkyu (Japan) v17 n3 p157-85 1965.

TT-67-30648 Field 17B, 14B, 9C

Foldi, P.
EAST EUROPEAN ELECTRONIC AND PRECISION EQUIPMENT INDUSTRIES: TRANSLATIONS NO. 8. 23 Feb 67, 12p. JPRS-40001.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as TT-67-30648

Trans. of Finommechanika (Hungary) n1 p6, 10, 24 1967 and Elektroprivreda (Yugoslavia) n9/10 p279 1966.

TT-67-30771 Field 17B

USSR COMMUNICATION: TRANSLATIONS NO. 79. 6 Mar 67, 19p. JPRS-40125.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as TT-67-30771

### C. Direction finding

TT-67-30904 Field 17C

Kukes, I. S.; Starik, M. E.
PRINCIPLES OF RADIO DIRECTION FINDING. 14 Mar 67, 536p, refs. JPRS-40258.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as TT-67-30904

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### H. Radioactivity

TT-67-30435 Field 18H

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JPRS-39787.
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Trans. of Tehnika (Yugoslavia) v22 n1 p13-9 1967.

### J. Reactor materials

TT-67-30707 Field 18J

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## 20 PHYSICS

TT-67-30660 Field 20-, 12A

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Abstract trans. of Shu Hsueh T'ung Pao (Chinese People's Republic) n3 p21-5, 29-47, 49-52 1963 and Wu Li Hsueh Pao (Chinese People's Republic) v22 n8 p849-965 1966.

TT-67-30697 Field 20-, 12A

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TT-67-30747 Field 20-, 12A

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TT-67-30793 Field 20-

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TT-67-30795 Field 20-

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TT-67-30842 Field 20-

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TT-67-30853 Field 20-, 12A

USSR SCIENTIFIC ABSTRACTS: PHYSICS AND MATHEMATICS NO. 94. 10 Mar 67, 93p. JPRS-40207.
Order from CFSTI or ETC: HC$3.00, MF$0.65
as TT-67-30853

### A. Acoustics

NCH-207 744 Field 20A

Schirmer, W.
THE INTERPRETATION OF TRANSMISSION DEFECTS IN HEAD-ORIENTED STEREOPHONY. 10 Feb 67, 8p. ATS-36T98G.
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Trans. of Acustica (Switzerland) v17 p228-33 1966.

### C. Electricity and magnetism

NCH-206 785 Field 20C, 20F

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Order from ATS: $16.75 as ATS-31T96U

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TT-66-27241 Field 20C

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TT-66-27526 Field 20C

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TT-67-30175 Field 20C

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Trans. of Akademiya Nauk SSSR. Doklady, v169 n2 p328-31 1966.

## D. Fluid mechanics

NCH-206 825 Field 20D, 13K

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## F. Optics

TT-67-61176 Field 20F, 17H, 4A

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TT-67-61107 Field 20H

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### K. Solid mechanics

NCH-207 276 Field 20K

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NCH-207 395 Field 20K, 11F

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### L. Solid-state physics

NCH-206 871 Field 20L

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TT-67-61225 Field 20L, 9A

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TT-67-30722 Field 22B, 6P, 6S

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